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BALTIMORE, AUGUST 30, 1884.

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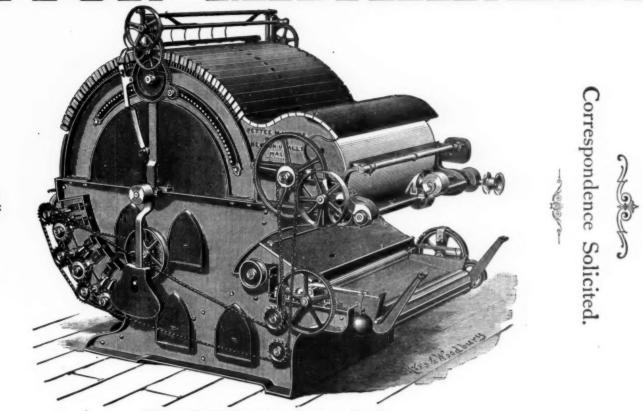
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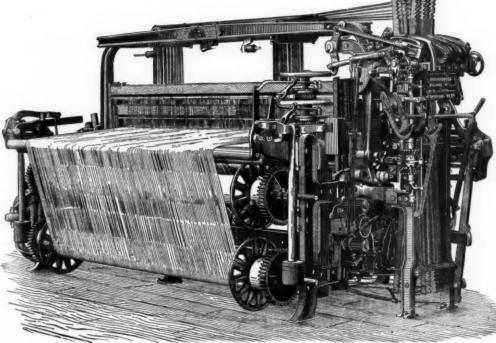
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COMB

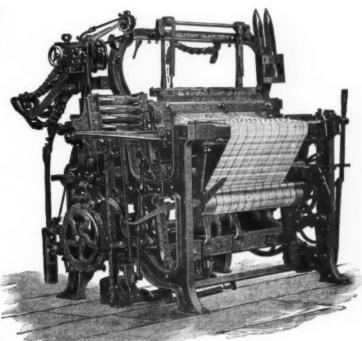
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Is freely admitted by experts to be, in many respects, the BEST Comb yet produced. In workmanship, character and production it competes with any Noble Comb made. Is adapted for either coarse or fine wool, and is furnished with a baller or a can coiler, or spout for a stationary can, as may be desired. The main driving and smaller shafts are steel.

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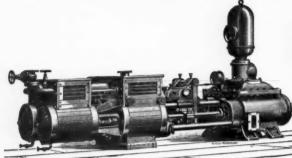
Crompton's "Standard" Gingham Loom



Is the STANDARD for Ginghams and similar goods. It is made with four or six boxes at one end, or four boxes at each end, and with two, three and four-leaf cams.

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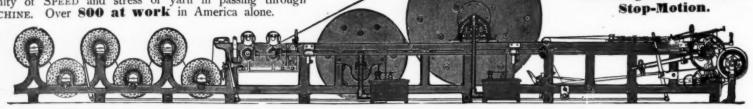
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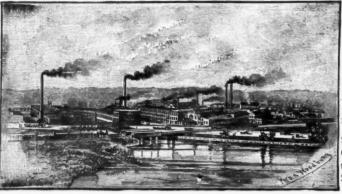
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BALTIMORE. AUGUST 30, 1884.

A Year of Plenty.

The crop prospects at the South are as we have repeatedly said, unusually fine, and business in all lines will doubtless feel the good influence of the heavy yields. The Atlanta Constitution says:

The crops this year are unexampled. In abundance, variety and excellence they are without parallel. It is truly a year of plenty. In cotton, grasses, corn, fruit, vegetables the yield has been enormous, and Georgia soil has never given such harvests

Will the surplus we have made be prudently gathered and carefully husbanded? We fear not. The Georgia farmer is not a great saver. The very affluence of his soil and the mildness of his climate has made him careless and lavish. It is hardly too much to say that millions of bushels of peaches will rot on the trees in Georgia this year, and millions of dollars be sent out of the State next winter to buy canned and preserved peaches from the North. Rich and succulent grasses will waste by the thousands of tons for the lack of curing, and our stock be wintered on western hay at \$20 a ton. Even corn itself will be fed lavishly or wasted, and next year the farmer will buy corn of his commission merchant and pay forty per cent. interest on the money.

There is no computing the value the rich crops of this year would be to Georgia if they were prudently used and the surplus carefully put away. Many a farmer will make enough corn to do him for two or three years, and fodder, that if cured properly would be sweet and wholesome food for his cattle four years hence. If there were ensilage pits on each small farm, they might be filled this season and enough forage laid away at a nom-

peaches, pears, tomatoes, berries, and or pickled, we would keep millions of dollars at home next winter that is now sent away for the refuse of other markets. If our grasses were cured and packed, we should not have train loads of western hay draining our farmers' pockets and impoverishing our State next fall.

The barn is the important feature in Georgia's farm economy this year. The hay-rick, the ensilage pit, the fodder-stack, the preserves closet, are the points to which the Georgia farmer should address himself. The crops are assured in exceeding fullness and variety. Man and beast cannot possibly exhaust them. It is a simple question as to whether the enormous surplus will be wasted or saved. If it is saved, it will stand as a resource against the possible short crops of two or three years. If wasted, this grand harvest that providence seems to have exhausted itself on, will result in simply a short season of lavish extravagance, and then empty barns, poor stock, and another season of dependence. That man is the benefactor now, who leads the way in saving the surplus of the season's richness, and who makes plain the methods by which the produce not needed for the present, can be stored away cheaply and safely, to supplement the harvest of the poor | the same industries : seasons that must follow this wonderfully rich one.

Wages Under Protection and Free Trade.

It is, we believe, admitted by every one, that the condition of the laboring people is better in the United States than in any other country in the world. In no other country are they so well paid, and hence they enjoy more of the comforts and pleasures of life here than anywhere else. This favorable state of affairs is of course, very largely due to our protective tariff; abolish that and very soon American laborers would have to content themselves with the same style of living as the great mass of European laborers. The Journal, of Boston, in a late issue, presents some interesting facts upon this question, many of which have from time to time appeared in our columns, but they are well worthy of constant repetition. The Journal says:

The Globe knows that the suspension in a large number of cotton mills is but temporary-to last from two to four weeks at most. It is, therefore, trying to make things a great deal worse than they really are, and very different from what they were when, a few weeks since, it gave such glowing promises of business improvement. And this suspension the Globe attributes to the policy of protection. How, then, does it account for the fact that a comparatively large number of cotton mills in England have inal cost to carry forty or fifty cattle closed permanently, and that in one

through the winter. If our surplus instance a large mill has been taken down within a few months? The vegetables were preserved or canned depression in any manufacturing industry in Great Britain is very much more severe than it is in this country. The lack of employment is much more general. There, under free trade, one person in 26 is an absolute pauper. There labor is such a drug that assisted emigrants are sent to America in order to get rid of them. The Globe asks the laboring man if he has not been compelled to compete with labor from whatsoever source it has come? What does it mean? The laborer in this country competes with his fellows in this country, but not with those abroad. His wages are from 45 to 90 per cent. higher here because he does not compete with the foreign laborer. Suppose that we go to actual free trade, is it probable that the wages of the laboring man would be as high as now? It is out of the question. To compete with foreign manufacturers, our manuf cturers must cut their wages to the same figure paid abroad, or go out of business. That is a statement that needs no demonstration, because it is a self-evident truth -a fact on its face. We give, for the benefit of those who are seeking for facts, the table taken from the report of the Bureau of Statistics, which shows the comparative wages in Massachusetts and Great Britain in

		Great	higher
Industries.	Mass.	Britain.	in Mass
Agricultural Implements	\$10 25	\$8 85	15.8
Artisans' tools			141.3
Boots and shoes	11 63		166.1
Brick	8 63		107.5
Building trades	14 99	7 21	107 9
Carpetings	6 08	4 11	47.9
Carriages and wagons	13 80	4 89	182.2
Clothing	10 01	6 71	49.5
Cotton goods	6 45	4 66	38.4
Flax and jute goods	6 46	2 84	127.5
Food preparations		2 72	260.7
Furniture	XX 04	7 96	38 7
Glass	12 28	6 94	76.09
Hats: fur, wool and silk	11 01	5 51	99.8
Hosiery			39.0
Liquors; malt and distilled.	12 87	12 66	8.7
Machines and machinery		6 93	69.0
Metals and metallic goods	11 25	7 40	52.0
Printing and publishing	11 37	5 52	106.0
Printing, dyeing, bleaching,			
and finishing, cotton tex-			
tiles		4 94	75-5
Stone		8 58	. 67.7
Wooden goods		5 67	115.0
Woolen goods			42.0
Worsted goods		3 60	103.3
All industries	\$10 31	\$5 86	75-94

With a duty which keeps the foreign manufacturer from equal competition with the manufacturer here the above wages are paid. Is there in the Globe office a man who will assume that the same relative wages will or can be paid if that duty is removed and competition is free? Again, if our cotton and woolen industries were developed to the extent that we could have produced the \$32,350,000 worth of cotton goods and the \$40,000,000 worth of woolen goods bought abroad, we should have ample employment for all our population, and all the capital employed therein.

Our readers will confer a favor upon our advertisers and upon us, as well as benefit themselves, if, whenever they write to anyone advertising in this paper, if it is only for a catalogue, they mention that "your advertisement was seen in the BALTIMORE MANUFACTURERS' RECORD." A careful compliance with this request will be much appreciated.

What the Sugar Planters Think.

The sugar planters and others in Louisiana engaged in protected industries are very decided in their protective tariff views, and at a general meeting held on August 20, adopted the following:

Resolved, That this convention favors proection as a principle to be accorded by the government to all home industries and home abor, in whatever way it can be most effectively given.

Resolved, Whereas, the Government of Great Britain has heretofore entered into treaty with the United States, dated 1815, under which the colonial possessions of Great Britain in the West Indies and Guinea are exempt from obligations of the most favored nation clause in any treaty between he United States and other countries,

And whereas, the government of Great Britain is desirous of subrogating such coonial productions to the benefits of the treaty between the United States and the Sandwich Islands, Mexico, or any other countries, proposes to procure the removal of olonial disability referred to; therefore,

Resolved, that our senators in Congress are hereby respectfully requested to resist any such modifications of existing treaties with Great Britain as would admit sugar, molasses, or other tropical products of said colonial possessions duty free into the marets of the United States.

Protection is rapidly gaining ground all over the South, and the politicians who attempt to ignore this fact will find that they have made a very serious mistake. The South needs protection,-needs it far more in fact than any other section of our country. With a continuance of our protective tariff, the Southern States will continue to increase in population and wealth, and her industrial and agricultural interests will alike share in this increased prosperity; but if the protective features of our tariff are abolished or cut down, the South will feel the disastrous effects sure to follow such a step, more even than New England.

CORRESPONDENCE relating to the manufacturing, mining, lumbering and all other material interests of the Southern States is solicited. We invite those interested in the development of the South to make free use of our columns. Reaching so many capitalists in all parts of the United States seeking profitable investment in the South, the MANUFACTURERS' RECORD offers an excellent chance for the people in that section to place the advantages of each locality before those likely to be interested. We will take great pleasure at all times in telling what has already been accomplished in the South, and showing up the opportunities of doing still more,so if you desire to attract immigration or capital, or if you know of an opening for profitable investment in manufacturing, mining or kindred pursuits, write us an account of it. It will be published free of cost.

ADVERTISERS wishing to reach the manufacturers of all classes, mining companies, steel, iron and hardware dealers of the entire South, cannot find a better medium than the BALTIMORE MANUFACTURERS' RECORD. We are always prepared to furnish proof of our claims as to circulation.

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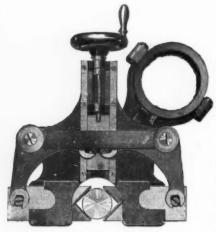
Elliott's Improved Drill Press

is a comparatively new tool for light and medium drilling, which has many points of merit worth looking into.

Its maker is one of the men who think life is too short to waste in doing work other than by the quickest method that will make it right.



ving inside of driven con-



How this tool came to have an existence forms the "preface" of a neat catalogue, which we commend for its brevity. mewhat of a novelty we give the preface here verbatim:

PREFACE.

When I started a machine shop I wanted a Drill Press That would do a wide range of light work. couldn't buy it For two reasons. First, it was not in the market, Second,-well, never mind I got along for the time without it. Finally I made one. Have got it yet. It works well. Tiptop. Then I made a better one And sold it, And then several others. Then I improved it some more

"Good many" is ambiguous, but it saves lying.

While making and selling Drill Presses

And sold a good many.

I kept my eyes open

To find out what was wanted. I have found out. Have made it.

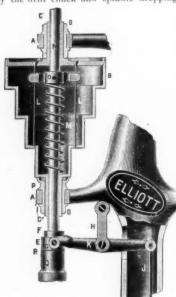
Here it is,

Perhaps you may want one.

A lever "feed" has long been considered by machinists as not only the quickest, but the best for light drilling.

In former lever drill presses in which the drill moved down, as is proper, the lever has been located above the work, and in such cases where the work moved up, as is not proper, the lever even if it is properly located, has too much weight to raise, which prevents the workman "feeling" the cut of his drill, and is about as tiresome as to hold the arm up. We believe the Elliott Drill Press is the first to feed the drill down from above the work, by a lever located below the table, where it may be best controlled.

It is a well-known fact that the breaking of a small drill usually occurs just as its point comes through the work, and is caused by the drill chuck and spindle dropping a



of Driven (the spindle, its driver, and the counterbalance spring

distance equal to whatever lost motion there is between the spindle and its driver.

In the press here shown, this lost motion is taken up by a steel spiral spring which acts as a counter-balance to the weight of chuck and spindle.

Upon the upper end of spindle is a clamp collar which may be adjusted to any point to serve as a positive stop, to limit the descent of spindle, as in counter-boring, &c.

The column is slotted on one side, and has a spring stud attached to the table arm, resting in this slot, the effect of which is to cause the center of table to move exactly in line with center of drill spindle; upon withdrawing this stud, the table may be wung round the column, and the table may also be turned round its own centre; the hand lever is adjustable both as to length and location, and the foot lever may be used or not, as required.

The head cone runs in composition boxes and the spindle moves inside the sleeves of cone, and not in the boxes, thus insuring durability: both cones are turned outside and in, and carefully balanced, and the entire tool is first-class both in material and workmanship. It is fully guaranteed by the maker, Sterling Elliott, whose address is Newton, Mass.

THE "Palace Hotel," in Cincinnati, is appropriately named. In the magnificence of the building, and in the elegance of its appointments throughout, it resembles a palace. It has all the attributes of a first-class hotel, and travelers cannot find anywhere a more desirable stopping place. Its meals are about all that could be desired; its attendants are courteous and accommodating; and in all respects the comfort of its guests is carefully looked after.

Is the Independence of Industries Established?

A Philadelphia correspondent of Bradstreets, Lorin Blodgett we suspect, in discussing the independence of our industries in the last issue of that journal, says:

The question of the day is not so much whether there shall be new legislation as to duties on imports as it is whether the independent development of the leading industries has been secured in accordance with the wishes and efforts of those who have made efforts to secure this result. For almost a full century the encouragement of manufactures here has been an avowed object in tariff legislation—one of the objects, but not the only one. The first Congress of 1789 declared in the first section of the first tariff act, July 4, 1789, that, "whereas, it is necessary for the support of the government, for the discharge of the debts of the United States, and for the encouragment and protection of manufacturers that duties be laid on goods, wares and merchandise imported," and proceed to give a schedule of such duties in detail. The system at the outset was derived from English precedents, and was substantially English. The general provisions of the English law relating to shipping and navigation were embodied soon afterward in a general act establishing like laws for the United States, and for organizing here a general system of customs administration for this country, the districts being elaborately defined, and much of this framework remains with little change to the present time It was a reproduction here of the vigorous national spirit then characteristic of English Law, and it helped us much in building up the distinctive identity of our own nation.

The founders of this government, we repeat, did not attempt to create a new system of tariff and customs organization. They reproduced the text of English statutes and the vigorous spirit of the English administration, which at that time was extremely rigid and restrictive. No competitors were admitted, either in trade or in navigation, unless by special treaty or an exchange of favors. The importation of goods and the navigation of the seas was each contested without the admission of any abstract rights, and this intensely national spirit was reflected from the British original in every part of the framework prepared by Alexander Hamilton in his entire course, and his controlling influence while Secretary of the Treasurer. Congress adopted most of his recommendations, and in each successive act from that of July 4, 1789, forward, the tendency was always toward higher duties and more decisive restrictions and limitations. The need of revenue was urgent, but the need of a vigorous spirit was equally recognized, and it cannot be denied that the commercial and maritime growth of that period was wonderful.

The relation of the tariff acts then and subsequently enacted forms an instructive schedule of acts and rates of duty, as fol-

phur, saltpeter,
July 1......38 to 50. Double existing du
July 29.....— New duty on salt,
March 3...— Repeals discrin
ting duties on Br vessels. .Confirms double of 1812. 1816, Febuary 5.... 1816, April 27.....30 1818, April 20..... 1819, March 3.....

1824, May 22.....35 ...General crease

lasses, etc. ...Reduced on wines, gen-

1833-1841, March 2...35 to 25.. Reduction by successive steps of 10 to 15

...Copper, and ores ...General reduction ...General reduction ...Increase, partial.

The subsequent changes of the customs laws nearly compensate each other, and leave the rate of duty paid at an average of 42 per cent. on the imports paying duty, and at 30 per cent. on the total value of imports. including an average of \$200,000,000 in value free of duty. This is somewhat higher nominally than it is really, because of the great decline in prices of all classes of merchandise, the average price per unit of quantity being scarcely more than half the price of fifteen years ago. This is true of the leading classes of manufactured goods, woolen, silks, cotton, steel and most other metals. sugar, coffee, rice, and all competing as well non-competing products.

This schedule shows the principle that has run through the tariff legislation of the country, the rates being advanced by slow gradations in the early period until 1828 they reached the present average, and represented then, as now, the highest demand conceded to the principle of encouraging manufactures. Higher rates were enacted in the war tariffs of 1812 to 1816, as well as those of 1861 to 1865, but these were in both cases voluntarily relinquished in the legislation of the first Congress following the war of 1812-15, a step that proved a mistake, and was not repeated in 1866 to 1869.

At the present distance in time from the late war, however, there has been enough of subsidence to bring us to purely normal conditions. In respect to prices particularly the decline from what may have been the exaggerated values of 1863 to 1873 is the most remarkable of historic changes. should not be any smaller measure for any-thing. Wheat and all agricultural products are at the lowest limit of safety, and if such prices cannot move them to other markets it will be better to cease looking to Europe for their consumption as a national resource.

And the prices for manufactured articles especially iron, steel and the metals, could not well be lower and little of either can be imported. Textile fabrics alone almost, among the great classes of manufactured goods, present a margin in price that permits of profitable importation. By steady attention to the art of importing these the provisions of the tariff have been less obstructive, and they actually get in at rates of duty 7 to 10 per cent. below those nominally paid. The margin is narrow, and proprietors in Europe must send the goods to agents here; buyers cannot go from the United States to buy for themselves.

The existing rates of duty on imports may therefore be reviewed in the light of purely normal conditions and from a point that assumes the substantial equality of this country with other countries. The greater industries have grown to such proportions as to command much the larger share of our great consuming markets; it is so in iron, steel, copper, and all the leading metals; it is equalso in manufactures of wool, cotton and finally of silk. Through the invention and perfection of machinery the door has been opened to a degree of success in manufactures of the most costly and difficult class, which was not expected until the change

We do not care to renew any degree of the dependence before existing on the supply of needed fabrics from European instead of domestic sources. We do not need to do so in order to build our commercial and industrial policy on a broader basis than before, retaining the protection that our industries actually need, but removing such obstructions as have grown up in the special series of legislative acts required by the disturbed period, 1861 to 1870.

Few of those who advocated the encour agement of manufactures as one of the objects of tariff legislation in the first threequarters of the century would have then believed that the protective scale would rise so high as it has, or would remain so high as the average of existing rates. great advocates of protection in the past were familiar with much lower rates, with the maximum of 40 per cent, in 1828 and the low averages of 1834 to 1860, when rates of 25, declining to 20 per cent, ruled for a long series of years. These were inadequate, and their consequences were disastrous, but the average of duties paid now is twice as great as from 1857 to 1861.

The present situation is a vindication of the policy of developing domestic industries. It shows that in the first century of our history there was a great work to do in establishing the greater industries here, as the population increased so as to demand imense supplies of manufactured fabrics. But it also shows a development vastly greater than was anticipated during the last quarter of century and the substantial completion of this greatest of changes in any nation's history.

List of Patents.

The following Patents were granted to citizens the Southern States, bearing date Aug. 19, 1884. Reported expressly for this paper by Louis Bagger & Co., Mechanical Experts and Solicitors of Patents, Washington, D. C.

Batchelor, J. F., Baltimore, Md. Railway car..303,791 Blakely, R. D., Oxford, Miss. Railway gate.303,612 Cunningham, J. F., Wheeling, W. Va. Boat

Hammond, Walter, Baltimore, Md. Keel for

Lowrey, J. M., Jonesboro, Ga. Sash-fastener...303,038 McAfee, J. C., Dallas, W. Va. Nut lock....303,653 Roeber, Alexander, Morgan, Texas. Bridle.. 303,751 Scott, Bertrand, Keyser, W. Va. Grain

...303,672

. 303,901

A Grand Hotel.

We take great pleasure in calling the attention of our readers, and especially of those who do much traveling, to the merits of that mo t excellent hotel,-The Grand,corner Broadway and 31st street, New York. This hotel, we very readily admit, will not suit the tastes of those who love a big, noisy crowd, but for those who prefer to have the very best of everything, and to enjoy a delightfully charming home-like place, where every comfort is secured, we know of no place that will suit better than The Grand. This hotel is a large eight story marble building, magnificently furnished from top to bottom, and supplied with every convenience for the comfort and pleasure of its guests. Every bed-room in the hotel, not excepting the smaller single rooms. have hot and cold water, handsome furniture, spotless bed linen and the softest and easiest of spring beds. The table is all that could be desired, its variety and excellence being abundantly sufficient to satisfy the most fastidious taste, while the cooking is as near perfection as that art usually reaches. One thing that is especially pleasant is the remarkable absence of even a speck of dirt anywhere in the building, every room and quiring but about 10 minutes to take out one

in fact everything connected with the hotel, showing the most scrupulous neatness.

The Grand is situated in the most desirable place, not too far from the centre of business, and yet near enough to the uptown sections, to be an excellent starting point either way. It is one square from the elevated railroad, while numerous stage and street car lines pass its door.

The Legg Coal Mining Machine.

The Legg Coal Mining Machine consists of a bed frame, occupying a space 2 feet wide by 7 feet 6 inches long, composed of two steel channel bars firmly tied with iron braces, the top plates on each forming racks with their teeth downward, into which the feed wheels of the sliding frame engage. Mounted upon and engaging with this bed frame is a sliding frame similarly tied, conset and put in another These should be changed from two to three times each day, and oftener if the cutting is hard and gritty. Any blacksmith who understands working steel can make them. The operation of the steel can make them. machine is about as follows: The machine is placed in front of the coal at one side of the room, on the floor of the mine; the cutter bar is then driven into the coal to a depth of about five feet, and by means of the reverse feed is withdrawn when the machine is moved over the length of the cutter-bar, and another cut is made; withdrawn again and set over as before, and so on continually. until the entire room is cut.

This machine, which is manufactured by the Lechner Manufacturing Co., Columbus, Ohio, has been thoroughly tested in the mines of Ohio, Pennsylvania and Illinois, and has proven very satisfactory. At a recent test of mining machines which took place at the mines of the Columbus & Hockting Coal and Iron Co., Longstreth, Ohio, the

sisting mainly of two steel T bars, upon

THE LEGG COAL MINING MACHINE.

THE superior qualities of the Rackarock blasting powder have been so fully and frequently demonstrated that it hardly needs ny further endorsement. Nevertheless we take pleasure in publishing the following letter, which explains itself:

VOSBURG TUNNEL.

LENTZ & Co., Vosburg, PA., August 9, 1884.

Rendrock Powder Company,

23 Park Place, New York City: GENTLEMEN-Having tried all the high explosive powders that are made, we found that the Rackarock powder gave the best satisfaction, both for execution in blasting in our tunnel headings, and was less injurious to the men's health. We cheerfully recom mend the Rackarock powder to all parties having tunnels to build. Yours truly

LENTZ & Co.

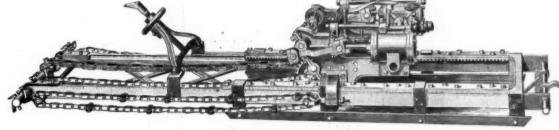
THE SEPTEMBER CENTURY.-In its contents the September Century aims to rival the August "Midsummer Holiday Number" in entertaining summer reading, as wel! as in articles of unusual importance. Pictorially, it is also of popular character.

"From Coventry to Chester on Wheels," the opening illustrated paper, recounts the experiences of Mr. Joseph Pennell, the artist, during a trip on a tricycle in England.

A stirring incident of life in foreign lands is also given in Horace D. Warner's description of "A Tropical Hurricane" in Costa Of biographical interest is the paper (with full-page portrait) on the French lex-icographer, "Emile Littre," by the author of the papers on "Gambetta" and "The Forty ortals," which were published in The Century.

Professor S. P. Langley, the well-known astronomer of the Alleghany Observatory, begins in this number a series of popular illustrated papers on "The New Astronomy. In this first article, the character and significance of "The Spots on the Sun" are ex plained with the aid of numeroms pictures.

Among the other articles are "The Foreign Elements in our Population," by Joseph Edgar Chamberlain; W. I. Stillman's second paper, descriptive, of his yacht journey, "On the Track of Ulysses" and two short stories; "Fancha-A Story of Monterey," by Thomas



THE LEGG COAL MINING MACHINE.

which power is transmitted through straight | Legg Machine was again victorious, having gear wheels to the rack, by means of which the sliding frame is fed forward. Upon the front end of this sliding frame is mounted the cutter bar, held firmly by two solid steel shoes, with suitable brass bolts. The cutter bar contains 26 bits made of tool steel, held in place by set screws. When the cutter bar is revolved these cutters or bits cover its entire surface. The cutter bar is revolved by one endless steel chain from the driving shaft. The feed is thrown on and off by means of a lever. We are informed that the cut under the coal, 5 feet by 3 feet 6 inches, is made and the cutter bar withdrawn in from 4 to 6 minutes. The machine is easily handled by two men and will undercut from 500 to 800 square feet of floor per day of 10 hours. The construction of the machine is very simple, so that anybody of ordinary intelligence can understand and handle it with a few days instruction. Special pains have been taken to make the parts durable, so that, with ordinary care, they will last a long time. The bits are easily changed, re-

undercut nearly twice as much coal as the other machines in the same length of time, at less expense and trouble, in consequence of which this machine will be placed in this company's mines at Straitsville and Longstreth, Ohio. For further information and catalogue, address the Lechner Manufacturing Co., Columbus, O.

THE Lowell Machine Shop, Lowell, is now employing about 700 hands on full time, The general business of this shop has improved of late, a number of good orders have been taken on and the prospects are that with the revival of trade in the fall they will be obliged to make further additions to their force. During the past two years they have made extensive improvements in their manufacturing capacity and can now, if pressed, turn out more work than ever before. Wm. A. Burke, who has so long filled the position of treasurer, has resigned his position on account of ill-health, and has been succeeded by General Robert and has been succeeded by General Robert H. Stevenson, a gentleman in every way qualified for so important a position.

A. Janvier; and a humorous dialect story of Southern life, called "The Brief Embarrassof Mr. Iverson Blount," by Richard Malcolm Johnston. "Topics of Time" and "Open possess their usual interesting Letters"

Important to Southerners.

Persons arriving in New York via Cortlandt Street Ferry, by taking the 6th Avenue Elevated Train, corner Church and Cortlandt streets, can reach the Grand Union Hotel in 42d street, opposite Grand Central Depot, in twenty minutes, and save \$3 car-riage hire. If en route to Saratoga or other summer resorts via Grand Central Depot, all summer resorts via Grand Central Depot, all baggage will be transferred from hotel to this depot free. 600 elegantly furnished rooms \$1 and upwards per day. Restaurant the best and cheapest in the city. Families can live better for less money at this hotel than at any other first-class hotel in the city. ‡

If you are not already a subscriber to the BALTIMORE MANUFACTURERS' RECORD, send us \$3 and you will receive it regularly for one year or six months for \$1.50.

***CONSTRUCTION DEPARTMENT.

E PUBLISH, every week, a list of every new factory, of whatever kind, projected anywhere in the South; every railroad undertaken, and every mining company organized. This information is always fresh, and, by enabling manufacturers to correspond with the projectors of such enterprises before their supplies of machinery have been purchased, is of great value. Manufacturers will find it to their interest to read this department carefully each week.

ALABAMA.

The Mobile Gas Light and Coke Co., Mobile, Ala., will introduce water gas process into their works.

C. V. Nash, of Minneapolis, will move to Montgomery, Ala., and put in machinery for working yellow ochre bed as previously reported.

M. M. Teague has the contract for a jail to be built at Elba. Ala.

Kirk Bros., Lonoke, Ark., have commenced work on their oil mill and ginnery previously reported.

The McKeever Beef Canning Co., of Chicago, Ill., will spend \$250,000 in building a beef canning house near Clarendon, Ark. FLORIDA.

Canova, Palatka, Fla., has purchas-

ed the machinery for his ice factory, previously reported.

Messrs. Scoville & Culpepper, of Suwanee Springs, Florida, will build another hotel.

Eustis, Florida, is to have an ice factory.

Messrs. Carter & Cross, Tavares, Florida, who are building a saw mill, will also manufacture woodenware.

John Quailey, of Tallahassee, Fla., will start a tobacco factory.

GEORGIA.

The Rome Street Railway Co., Rome, Ga., will soon commence building their road.

The Waycross Lumber Co., Waycross, Ga., are building about 30 miles of railroad for opening up new timber regions.

Aaron Lard, Nance's, Ga., is putting up

Clay Taylor, near Columbus, Ga., is erecting a ginnery.

J. C. Stallings, near Newnan, Ga., is putting up a saw mill.

B. R. Armstrong will build the Telfair Hospital at Savannah, Ga., to cost \$30,000.

The Porter Manufacturing Co., on Soque river near Greensboro, Ga., will soon crease their capacity by adding new machin-

Powers & Dill, will build a hotel at Bartow. Ga., for Davis & Clay,

Prospects of a new hotel at Dawson, Ga. KENTUCKY.

W. M. Fitzwater and others, Olive Hill. Ky., have formed a copartnership to manufacture churns.

Reported that John Seiler, Covington, Ky., will build a brewery.

Andrew Brown, Buffalo, N. Y., will, it is said, build a saw mill and keg factory at

The Pneumatic Gun Carriage Co., capital \$250,000, has been incorporated in Baltimore by F. H. Paine, Chas. E. Creecy, Chas. C. Lancaster and others.

Gill & McMahon, Baltimore, have received the cotract for work on the Baltimore post office building for \$108,235.

a large safe deposit building.

MISSISSIPPI.

The Rosalie Cotton Mills, Natchez, Miss., have closed for repairs.

The Planing Mills of the DeSmet Yards, Moss Point, Miss., have been leased to Mr. Buddig, of New Orleans.

Col. Richardson will build a Narrow Gauge road from Carolina Landing to Lake Washington, Miss.; work will be commenced

NORTH CAROLINA.

P. H. Abenathy of Mitchell, N. C., has bought an interest in a mica mine which will

Leak, Wall & McRae, Rockingham, N. C., are building a cotton gin press and grist

TEXAS.

The Western Plaster of Paris Co. has been chartered at Sweetwater, Texas.

The foundry of Garrity & Co., which was to have been located at Temple, Texas, will locate at Belton, Texas.

W. C. Conner has contracted with the Brenham Water Co., Brenham, Texas, to build water works at that town.

The contract for the court house at Brownwood, Texas, has been let to Mr. Slater, of Fort Worth, for \$46,408.

The Galveston Sabine & St. Louis Railway, narrow guage, will build a road from Longview to Carthage, Texas.

Proposals are invited for the construction of a jail at Abilene, Texas, to cost from \$8,000 to \$18,000, Mr. David I. Reed will

The City Council of Dallas, Texas, has issued bonds for the erection of water-works

The Howard Oil Mills at Palestine, Texas, are adding new machinery and making repairs.

Mr. D. M. Butler, of Palestine, Texas, will probably build a flour mill.

A new company is talked of, to establish a smelter at El Paso, Texas.

The leading citizens of Silkville, Texas, are talking of establishing water-works.

TENNESSEE.

The Southern Machinery Co., Shelbysville, Tenn., have purchased ground for the erection of new machine shops and foundry.

An axe handle factory will probably be started in Dickson, Tenn.

A Presbyterian Church will be built at

The Aiken Organ Factory will be rebuilt Winchester, Va. Previously reported as

Flour mill of J. W. Vinyard, at Gish's, Roanoke Co., Va.

BURNED

The Sibley Cotton Mill, Augusta, Ga., was amaged by fire Aug. 22; loss about \$30,000. Mill and ginnery of Lee Teague, Sr., Columbia, Henry Co., Ala.

Brown Woolen Mills, Greenville, Tenn.;

Tobacco factory of R. Pearson & Co., Danville, Va.

The gin house of A. C. Swings, Dials, Laurens Co., N. C.

T. G. Bush's gin house, near Oxanna, Ala. It contained a large amount of machinery be-longing to Messrs. Bush & W. T. Higgins.

Saw and gin mill of Wilson Trott, at Salisbury, N. C.

The Columbia Lime Works, of Cammack & Decker at Washington, D. C.

Saw mill of R. F. Griffin, near Cedartown,

The Merchantile Trust Co., Baltimore, have paid \$76,000 for a lot on which to erect MANUFAGNURING.

BALTIMORE.

The firm of Hirshberg, Hollander & Co., wholsale dealers in paints, oils, &c., No. 240 West Pratt street, was established in 1845, and their business has grown from a small beginning to its present enormous proportions. They are manufacturers' agents and wholesale dealers in French and American window-glass, cut, ground, enameled, and colored glass, looking glass, plates, paints, oils, varnishes, &c. They are manuufacturers of neats-foot, harness, and machinery oils. They occupy three large warehouses on West Pratt street, where they have a full and varied assortment of goods in their line.

Mr. Philip R. Vogel, Jr., dealer in brass, copper, &c., No. 79 German street, reports his trade as picking up, especially in the He has a number of orders on hand, and from the number of enquiries he expects to do a heavy fall trade.

The firm of Poole & Hunt, of Woodberry, Baltimore county, has secured the contract to furnish all the cable driving machinery for the Hoboken City Railway. This cable plant will be the heaviest and most extensive in the United States. The same firm has just completed the machinery for cable railway in New York city, and also for the Kansas City Cable Railway.

Messrs, James Murray & Son, machinists. No. 40 York street, have a liberal amount of repair work on hand, and have completed orders for some new work recently mentioned in the MANUFACTURERS' RECORD.

Messrs. James Clark & Co., south side of basin, report their business booming. They have done a large amount of repairs on boats of all kinds, and have sufficient on hand to keep their force going for some

Mr. Wm. L. Pettit, boiler maker, No. 40 York street, is now building a 100 horse power Scotch boiler, part iron, and part steel, for the Seaboard & Roanoke R. R., at Portsmouth, Va., and has completed the large contracts for work lately mentioned in the MANUFACTURERS' RECORD.

Mr. R. Swormstedt, general agent Ewart detachable chain belting, reports his business in a flourishing condition, having orders on his books sufficient to keep him going for some time. He receives orders from all parts of the South for the belting, and all say it gives entire satisfaction.

Messrs. H. C. Larrabee & Co., machinists, have a large amount of large astings to turn out for firms in the city, and have a number of repair jobs on hand. They report the prospects for fall trade as very encouraging.

MR. LEE WHITESCARVER will donate ten acres of land near Palestine, Texas, to any one who will establish a canning or other factory thereon.

THE MANUFACTURERS' RECORD, with its last week's issue, this enterprising and useful paper entered upon its sixth volume, new series. We congratulate it on the success that has attended its efforts. has been unceasing in its efforts to attract attention to the splendid facilities afforded by the South for the investment of capital and as a place to settle. Its statistics of the material growth and prosperity of the Southern States, and their remarkable development, have attention, and have been of untold benefit .- Ashville, N. C., Citizen.

Some New Tools.

The cuts on next page represent several new tools made by Gould & Eberhardt, of Newark, N. J. They are made from new patterns, the parts being made heavy and yet not clumsy, the metal being distributed to insure solidity and durability. They are simple in design and construction, and the parts are arranged for convenience of the

All wearing surfaces are scraped to a bearing, no emery being used; all gears, racks, &c., are cut from the solid, and nuts, bolts, screws, wrenches, &c., are case-hardened. The spindles and shafts of lathes, planers, gear cutters, and all screws are made of steel. All spindles and shafts are large in diameter and run in extra long bearings of the best Babbit, bronze and cast iron metals. The cones of all the lathes are turned inside as well as outside, to balance them and to secure steadiness at high rates of speed. These tools show results of long study as to requirements of the trade. The automatic gear cutter comes from the same source, of which over 20 have been built in about 18 months and given entire satisfac-

Figure 1 shows a 15-inch patent shaper, with 20 inch stroke. There are five different sizes, viz: 8 inch with 10 inch stroke, 10 inch with 15 inch stroke, 15 inch with 20 inch stroke, 20 inch with 25 inch stroke, and 25 inch with 30 inch stroke. All these shapers have recently been improved, with improved vises, deeper crossheads, more bearing in several parts, &c. The bases are of a columnar form, spreading out wide at the bottom, giving large bearing surface upon the floor. They have a swivel vise, steel faced jaws projecting outside to hold long or short work for planing it on ends, such as punches, rods, &c. Work can be fastened as quick as in the common vise, at any angle; it will plane any bevel. The tool bar is heavy, and is worked by a patent adjustable crank motion and slotted lever: it gives a slow motion for planing, and a quick return. It can be instantly set to give any required stroke, while in motion or at rest. The stroke on each machine is graduated. and a pointer indicates the length it planes. Adjustable centre on vise raises and lowers automatic brake to stop quick; bearings are large and long, and machines will take a heavy cut. The large gears have extra large bearings, to wear well; vise is quickly replaced with face plate by one bolt; cross slide stops automatically at each end, so the machine can be kept at work with little attention; it is self-feeding; across or circular, dies, racks, keyseats, cranks, and many parts of all machinery can be planed quicker than on an ordinary planer, with saving on files, time, &c. These shapers are acknowledged by practical mechanics to to be the best tools now made for work within the range of a shaper on general work. There are over 800 in use; some firms have from 1 to 11 machines in use; also largely in use in railroad shops.

Countershaft, face plate and wrenches go with each machine. All have four speed cones. 8 and 10 inch countershafts should make 130 revolutions; all others 160. Diameter and face of each counter pulley is 8 inches,-10x2: 10 inches,-12x3: 15 inches. -12x3; 20 inches,-14x3; 25 inches,-14x3. Weight, about, of 8 inch, 900 lbs.; 10 inch.

LOCKWOOD, GREENE & CO. MILL ENCINEERS

Office, 65 Westminster St., Providence, R. I.

Carefully prepared plans, specifications and esti-nates furnished for the construction, equipment and reganization of new mills and the revision and im-rovement of old,

1,400 lbs.; 15 inch, 2,000 lbs.; 20 inch, 2,500 lbs.; 25 inch, 3,600 lbs.

Extra attachments, such as index centres, circular mandrill spiral cutting attachment cuts any spiral, a new and valuable feature. Rack cutting attachment; special circular motion for planing heavy convex and concave surfaces, (something new;) these attachments are very convenient where a variety of work is to be done.

Figure 2 shows a 24 inch planer. These planers are made of different sizes, ranging from 18 to 42 inch and of any desired length. They are all made of the same design, with deep and well ribbed beds to insure solidity. The table is deep and wide and bolt slots are planed out; pin holes are bored reamed. The ways are protected from chips and dirt by a bead on each side of the Vs, thus avoiding cutting of the ways. The shafting device is so arranged that when the dogs are once set the table can be run back to examine the work, &c., without loosening up the dogs. All run with two belts. The steel shafts are of large diameter and run in extra The quick return speed is long bearings. m 80 to 120 feet per minute and they are built in diameter and length of bearings to wear at these speeds, which is a great saving.

Figure 3 shows a 16 inch quick stopping hand lathe. (Patent allowed.) This tool is well adapted to pattern makers, brass finishers, machinists, tool and die makers. It has several new features which are original with the makers. A quick stop operated by friction, shown in head, enables the operator by slightly pressing on the lever to stop the lathe instantly. It can be started and stopped about 40 times per minute, thus saving at the end of one or two years a great deal over the ordinary lathe. Another new point is the tail stock, being concave on the front side, permitting the compound slide rest to turn small taper work, such as plugs, &c. Also the hand rest is clamped fast, thus avoiding the bruising up of the shank. The live spindle is made of steel, running in the best deoxydized bronze and has a 36 inch hole through it. Front bearings are 13/4x5 inches long. The cone has four changes of peed for 21/2 inch bett. The tail stock and hand rest are fastened by an eccentric lever. A long and short hand rest, one face plate and wrench go with each lathe. They are also made with back gear at an extra cost; also compound slide rest for brass workers and lever attachment for light and quick drilling. Independent and universal chucks furnished at makers' prices. Beds can be made any length. Wooden cones in place of iron if desired. Tight and loose pulleys are 8x3 and should make 300 revolutions per minute.

For further information address the builddrs, Gould & Eberhardt, Newark, N. J., or their agents, Niles Tool Works, Chicago, and Hill, Clark & Co., St. Louis.

Gold Mining in Georgia.

A correspondent of the New York Evening Post, in a description of a visit to the gold mining districts of Georgia, says:

Late in the afternoon we entered a valley in which we crossed seven creeks, or one creek seven times, we could not determine which, in going a mile. Then, climbing out of it, up a long hill, we emerged upon the open plateau on which Dahlonega is built. pretty town, open, high, breezy, built around a court-house square, which was filled as we turned into it with a picturesque mob of carriages, equestrians, negroes, steerdrawn carts, and canvas-covered Georgia wagons. The old court-house and sun-dry long barrack-like buildings speak of the cld regime, while several modern cottages and boarding-houses in juxtaposition indicate the For Dahlonega is now more a summer resort than a mining town, the mines which brought her into existence having been largely abandoned for those of other localities. Nevertheless it remains the centre of the

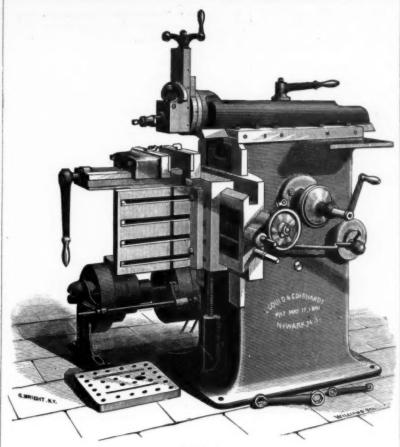


FIGURE 1.

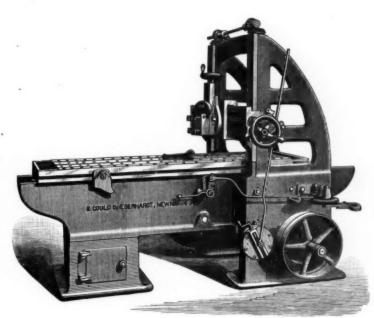


FIGURE 2.



Georgia gold belt and is the place where the history of the discovery and development of the latter is to be obtained. The red hills for miles around it are honey-combed with holes of greater or less depth dug by prospectors, and in the immediate vicinity of the town are several extensive mines formerly quite productive. This gold belt is identical with that of South and North Carolina and has been traced for 200 miles along the southern base of the Blue Ridge. It is proudly stated by miners here that the first gold discovered in the United States was taken from this belt in 1797, the finder being a lad named Conrad Reed, and the locality Cabarrus County, North Carolina. The "find" is said to have been as large as a smoothing iron and was sold to a silver smith, tradition says, for three dollars and a half. There are misty legends afloat, too, of a piece weighing twenty-eight pounds being subsequently discovered. Prospectors followed westward the vein thus stumbled upon, and as early as 1820 began encroaching on the Cherokee Reservation, which then covered all these mountain peaks and valleys. The rush was like that to California in 1849, though less in degree. Mountaineers by hundreds hurried into the territory, set up their log camps on the streams, and began panning the gravel deposits. Naturally the Cherokees resented this intrusion, and almost daily collisions occured between them and the whites. Georgia sent a strong police force into the territory to preserve order, without effect, and a little later the United States troops were called in with no better success. But in 1830 Georgia cut the Gordian knot by adopting the Cherokees as wards, lands and all, and erected their territory into a county called Cherokee County. She then divided the mineral lands into lots of forty acres each, and put them into a lottery, as was the fashion in those days. The lucky number, old miners say, was 1052, a lot on the Yahoola River already celebrated, it having been long a custom for men to steal over there at night, bring home a meal-sack of earth from the vein, and wash out the next day from twenty to forty dollars' worth of One sees all about the town in deep mine holes dug by prospectors, and long lines of ditches and pipes, abundant evidence of the presence of the gold-seekers.

Quite different methods for extracting the gold from those later in use in California and Nevada were employed here. The first comers used very primitive apparatus, washing the gold from the gravel deposits through splint baskets into what was called a "gumrocker," a log split in two and hollowed out into a trough with transverse cleats nailed at intervals. By violently rocking this cradle the water, silt, and gold were forced through it, the gold by its greater weight sinking to the bottom and being retained by the cleats without the aid of quicksilver. But when the gravel deposits were exhausted other methods were necessary to extract the gold, which was pretty evenly distributed, but in small quantities, through the slates, clays, and decomposed sandstones of the hills. A cheap method was vitally necessary too, for there was so little gold in the mass that the expensive processes of quartz min-ing were not to be thought of. Organized capital had by this time come in, and its engineers at once hit upon a plan for making these lightly charged ores productive. Water, to be had everywhere free as air, was to be the moter. Going up seven or eight miles above the town, near the head waters of the Yahoola, they built a dam at a point where the stream had cut a narrow passage through the hills. Then they led its waters twenty miles down to the mines by a ditch six feet deep and six wide, that pierced the hills by tunnels, wound along their sides, and crossed the valleys either on trestle-work or in huge siphon-like pipes. In carrying this conduit across the Vahoola valley an angineering feat was performed worthy of record. It was found that a trestle 250 feet high and a half mile long would be required.

Nevertheless the company began the erection of the trestle and had carried it up 150 fcet, when it was found that the lower timbers had so far decayed as to be unsafe, and the project was abandoned, the engineers declaring that the timbers of the superstructure would decay before the whole could be finished. The structure was demolished, \$200,000 having been spent on it, and huge iron pipes were laid to the bottom of the valley 215 feet, at an angle of forty-five degrees, then carried across the river on supports and up the opposite hill. When done it was found that the water rushed through them at a pressure of 100 pounds to the square inch, and with sufficient force to lift it on the opposite side to within six feet of the level of the dam. A story of this siphon is told at the expense of the mountainers. After it was fairly in operation they fell into the habit of "shooting" cord wood through it across the valley, thus saving the expense of cartage. The process might have gone on indefinitely without detection had they not. emboldened by their success, attemped to shoot saw logs through also; one of which, sticking fast, betrayed their novel mode of transportation. The water when it reached the vicinity of the mines was stored in a reservoir holding thousands of gallons.

The mines were in most cases open excavations in the sides of the hills. Below them the mills, with their crushers and stamp, were built. Next a trench, provided with flood-gates, was dug from the reservoir to the top of the hill above the mine. Through the day the men toiled with pick, drill, and spade, loosening the slate and decomposed rock in which the gold was hidden. unset they carefully removed their tools, the flood-gates were opened, and in a moment an angry, mud-colored torrent appeared on the brink of the hill, and dashed down, seizing on the loosened rock and earth, and sweeping all-rocks weighing a ton or more long strata of shale, thousands of cubic feet of earth-down half a mile into the bins of the mills, where the water was drained off, and the ore shovelled into the stamps without a penny's outlay for cartage. It was an ingenious method, and I was much disappointed that I could not witness the operation. None of the mines about town were being worked, so far as I could hear, though two, it was thought, would "start up" later in the season. The scene of active mining is now largely transferred to the Nacoochee Valley, some ten miles northeast. We heard of one mine there operated by water led through a ditch nine miles long, and of another owned by an English company in which hydraulic works on a much larger scale were contemplated.

The total output of gold from the Georgia mines it would be very difficult to compute. The branch mint established at Dahloneg by Act of Congress of March 3, 1835, coined from 1838, when it began operations, to Feb. ruary 28, 1861, when it was broken up by the war, 1,381,789 pieces, having an estimated value of \$6,121,919. This amount, it may be safely concluded, was produced from the mines; how much more there is no means of knowing. The mint was not reorganized at the close of the war. Its building was transferred in July, 1871, to the corporation of the North Georgia Agricultural College, and is still occupied by that institution.

БНЕ МАККЕТS.

OFFICE MANUFACTURERS' RECORD, BALTIMORE, Aug. 27, 1884.

Trade for the past week has somewhat improved. There were more inquiries made and some good orders taken at tolerably fair figures. The excessively warm weather had tendency to increase the sale of horse shoes, and it is now with considerable difficulty that a stock of leading sizes can be

Prices are about same as last reported:

Ref. Bar Iron, 1 to 6x3/4 to 1	Th.	1.90	3	c
" " I to 41/2 x11/2 to 1	88	1.00	2	c
" " 1/4 to 2, round and		- , -		
square	66	1.00	2	c
Hoop Iron, 11/2 wide and upward	66	2.86	3	C
Band Iron, from 11/2 to 6 in wide	66	21/2 (0)		6c
Horseshoe Iron	44	3.20		30
Norway Nail Rods	68	5 (0)		¿c
Black Diamond Cast Steel	44	10 @	EE	
Machinery Steel	44	4%00		4c
Spring Steel	44	320		
Common Horse Nails	60	10 @		
Railroad Spikes, 5½x9-16	88	2.58	2.	
				-

The pig-iron market remains unchanged with the demand only moderate, and sales canfined to small lots at furnace prices, viz

Baltimore	Charcoal	Wheel	Iron (all	
Baltimore	ore)		\$28	00@29 00
Virginia C	B. Charce	nal Wheel	Iron 28	00@
Anthracite,	No. 1		21	00@23 00
46	" 2		20	00@21 00
66			18	
66	Mottled :	and Whit	е 16	00@17 00

Philadelphia Iron Market.

PHILADELPHIA, August 25, 1884.

The plate and structural mills hereabouts have a fair supply of work on hand, and there are a number of large orders now in negotiation, but no heavy business has been booked for several days past. A moderate movement of small lots kept up, however, and manufacturers are in good spirits, and inclined to hold a little more firmly to asking prices for this small business, though fair concessions would be made to secure large orders. The Bar mills, with one or exceptions, are less fortunate, receiving only the most trifling amount of business and at prices far from remunerative. Refined iron ranges from 1.75 to 1.90; the best makes command 1.90 to 1.95 in small lots. Owing to the light business, mill owners are buying very much crude iron. Fair qualities of forge have sold in this market at \$16.50 to \$17 delivered, within a few days, and there are offers for standard brands at these prices. Very little iron sells at more than \$17.50. Foundry is almost without movement: Inferior No. 1 has sold at \$18, and No. 2 at \$17.50, but the usual prices for a good make are \$19.50 for No. 1, and \$18.50 for No. 2; some special makes are held a good deal higher, and no concessions can be obtained. Foreign irons are dull at \$19 for ordinary Bessemer, and \$28 for 20 per cent. Spiegeleisen. Steel rails have dropped to \$27 to \$27.50 in small lots. good many large transactions have been closed, but terms are invariably private. It is quite possible that \$26 has been taken, Rumors of \$25 being taken are, however, without foundation. There are negotiations now on hand for large lots at very low figures for winter delivery. Old material sells in an occasional large lot. 600 tons of Bull Heads from South America have been bought at a little less than \$20, f. o. b. here. Old rails are offered in large lots at \$18 to arrive; there are offers for 1,000 ton lots of their being accepted. Nails are very dull and weak, and large lots will not bring over \$2.15, and less may have been taken. Small lots are quoted at \$2.20 to \$2.25.

Cincinnati Iron Market Report.

Specially reported by ROGERS, BROWN & Co., Pig Iron Commission.

CINCINNATI, Aug. 25, 1884.

The volume of business continues fair, but at prices unsatisfactory to sellers. mand is chiefly for the best grades of foundry and forge irons, inferior and off grades having to be worked off under liberal con-

There is a noticeable increase in contracts for regular delivery, either because it is the season for certain lines to contract their future supply or because some consumers think the present offers advantageous.

The larger Southern furnaces as a rule are willing to book such orders, but other districts more frequently decline. Silver Gray is reported in very light supply; other grades are equal to all present demands.

Three furnaces making "Scotch" iron in Central Ohio have recently blown out for a

two or three months' stoppage, and, as 'the rest are considering the wisdom of doing the same thing, it has made what is locally known as "Jackson County" iron in lighter supply than the demand.

We make no change in quotations which have ruled the same for several weeks. Buyers of large blocks are still able to shade these prices somewhat. We quote:

HOT-B	LAST	FOL	INDE	Y.			
Hanging Rock C. C.,							
er er er	40					00@21	
Southern "	6.6	x			19	50@20	00
Strong Coke,	44	I			17	75@18	00
88 88	44					50(0)17	
46 66 .	40					00@16	
Soft Stone Coal,	44					50@19	
25 28	84	2			17	00@17	75
	FOL	RGE.					
Strong Neutral, No. 1	Mil	l			\$15	00@15	50
Cold Short. " 1	Mil	1			14	50@15	00
CAR WHEE	EL A	ND M	ALL	RABL	E.		
Hanging Rock C. B							
" W. B.					20	00@24	00
Southern Car-Wheel I	ron.				24	50@26	00
Lake Superior "	46				23	00@24	50
" Malleal	ole				24	50@25	50

Specially reported by E. L. HARPER & Co.

CINCINNATI, August 25, 1884.

There is no radical change in the elements of the market, though the factors in the problem are gradually working out to a demonstration that the stocks of crude and manufactured iron are small when compared with the demand of business in its normal condition. The presence of the idea that consumption will at an early day pass beyond production, will prove a lively leaven that will leaven the whole lump, permeate Carriage and Wagon Material. every branch of industry, and touch into activity the commercial, manufacturing and monetary interests of the entire country. The anticipation of an appreciation of values inspire the proprietors of furnaces and rolling mills sufficiently to awaken a spirit of greater independence, and some sales of a week past cannot be duplicated to-day. Several large lots of pig iron have been taken up the past week, and the buying in the early future will be liberal, as the next ten weeks cover a period in which more manufactured iron is sold than any other corresponding period of the year. We quote :

						r Mont	
Hanging Rock	Charcoal,						
11 " 11	44	61	2		. 20	00@21	50
Strong Neutral	Coke,	66	I		. 17	50@18	00
11 11	44	64	2		. 16	75@17	25
American Scoto	h,	64	1		. 18	00@18	50
	GREY						-
Neutral Coke					. 15	75@16	00
Cold Short					. 15	00@15	50
CAR	WHEEL A	ND N	MALL	EABI	E.		
Hanging Rock,	strictly co	old b	last.		. 26	00@26	50
41 41	" Wa	ırm	66		. 22	50@23	50
Lake Superior (Charcoal,	all gr	rades		. 23	00@24	00
South. Car Who							
Crushers and V	irginia Wa	arm	Blast		- 21	25@21	75

Chattanooga Iron Market.

Specially reported by S. B. Lowe.

CHATTANOOGA, TENN., Aug. 25, 1884.

Trade has shown no falling off since our last report. It is now probable that most of the furnaces in the United States will bank or blow out for one to two months. The tendency of which will be to advance the price of pig iron from I to 2 dollars per ton. At present we make no change in quotations.

No. z Foundry	\$17 00	@18 00
No. 2 Foundry	16 00	@16 50
Gray Forge	14 00	@15 00
Car-Wheel Iron	22 00	@24 00
Ores, Red & Brown	I 50	@ 2 00
Furnace Coke	2 00	@ 2 50
Nails, car-load lots, 30 days		@ 2 25
Bar Iron, per lb	-	@ I 70
Old Rails	nomi	nal,
Old Wheels		16 00
Wrought Scrap, No. 1	14 00	@
" No, 2	11 00	@
Cotton Tie Clippings	10 00	@
Cast Scrap	-	10 00
Rail-Road Splices	-	1 90
Light Rails	2 00	0
Barbed wire—four point galvanized.	6	@
Barb wire—Cambria link	6	@

Louisville Iron Market.

pecially reported by GEO, H. HULL & CO., Com-mission Merchants for the sale of Hot and Cold Blast Pig Iron.

LOUISVILLE, KY., Aug. 25, 1884.

The market during the last week has shown more activity than for some time past, and several orders for round lots have been received, though prices remain about

PIG IRON.			
Southern Coke, No. 1 Foundry	\$17	50@18	00
" " " " " " " " " " " " " " " " " " " "	16	00@16	50
Hanging Rock Coke, No. 1 Foundry	18	00@18	50
" " Charc'l, " "	22	00@23	00
Southern Charcoal, No. 1 Foundry	18	00@19	00
Silver Gray, different grades	15	00@17	00
Southern Coke, No. 1 Mill, Neutral	15	00@15	50
		00@14	
" " Cold Short.	14	50@15	00
Southern Charcoal, No. 1 Mill			
White and Mottled, different grades	13	00@14	00
Southern Car Wheel, standard brands	25	50@26	00
" other brands	22	00@24	00
Hanging Rock Cold Blast	26	00@27	00
" Warm "	21	00@23	00

St. Louis Iron Market.

Specially reported by HOFFER & Co., Pig Iron and Iron Ore, No. 318 Olive Street.

St. Louis, Aug. 25, 1884.

There is very little change to report in the condition of the iron market here. Some business is doing, but not enough to warrant any change in prices. We continue quotations of last week:

HOT-BLAST CHARCOAL.			
Missouri	\$19	00@20	00
Southern	20	00@22	00
Ohio	24	00@26	00
COKE AND COAL.			
Missouri	19	00@20	00
Southern	18	50@19	50
Ohio	21	00@25	00
MILL IRONS.			
Red Short	17	00@17	50
Neutral	16	00@17	00
CAR-WHEEL AND MALLEABLE I			
Missouri	19	00@20	90
Southern	25	00@28	00
Ohio Iron, par.	23	00@32	00

AXLES.	
Half Patent, common	lis 50 %
Commonr	ate 5
Concord	81/2
BODY LOOP ENDS.	
Lipped, set	. 60
Bolts, Éagle	70
Comparison Audo	lie on e
Norway	## 40 %
Saddle	\$12 co
Norway	De1 00
Nos, 1 & 2 4	
Flanged, % doz	4 50
Leather, new list	
Leather, new list	dis 5 %
ENAMELED CLOTHS.	
Muslin, p yard, 5-4	22
Drill, " 50 in	- 28
	. 38
Tan Back, " 5-4	40
Per 10	10
FIFTH WHERLS.	
Derby, %, \$\text{\$\text{\$\text{\$\text{\$}}}\$, \$\text{\$\text{\$\text{\$\text{\$}}}\$ doz	\$7 50
RUBBER DUCK AND DRILL-25 % off list.	8 50
RUBBER DUCK AND DRILL-25 % off list.	
SPRINGS.	
Seat, 1½ x2x26, P pair	90
Buggy, 172 in, and targer	10
Oil-tempered springs 1c. advance from above	101/2
SHAFT COUPLINGS.	
Discount	40 %
MALLBABLE CASTINGS.	4 - 1-
Rate	8
Core	12
POLE EYES AND COUPLINGS.	
Discount	40 %
No, 1 Top, & ft	28
if a if if	23
" y Dash "	12
" 1 Dash, "	@101/2
Fancy Morocco, & ft	26
Bow, % ft 20	@23
Collar, "	24
Harness, & lb	40
STEP PADS.	A
Per doz. pair. \$2 25 Spokes, No. 1, 1 to 1½ \$2 25 "X, 1 to 1½ 25 "XX, 1 to 1½ 350	97 50
Spokes, No. 1, 1 to 175	Su sec.
" XX 11014	41
Wheels, Sarven Patent \$6 50 to 14 00	65
HICKORY FELLOES.	
HICKORY FELLOES. X	
1 25 1 25 1 35 1 60 2 00	R set.
XX. 3 00 3 25 3 50 3 75 4 25	65
No. 1 1 11/8 11/4 11/8 11/2	
	P set.
XX,3 50 3 50 3 50 3 50 3 75	44
HUBS.	
No. 1 5x7 6x8 7x9 8x10 90 1 00 1 35 1 80	
90 1 00 1 35 1 80	M set.
XX 5 in, and smaller, 5½	A set.
2 25 2 50' FINISHED SHAFTS AND BARS.	fo ser.
X XX	
4 50 · 7 oo doz, pairs	

PAINTS, OILS, &c.

PAINTS.
Black Lamp, coach painters 1b 200
Black Lamp, ordinary 16 6c
Black Ivory Drop, fair12@150
Black Ivory Drop, best230
Black Paint, in oilkegs, 6c; assorted cans, 9c
Blue Prussian, fair to best40@550
Blue Prussian, fair to best, in oil45@550
Blue Chinese, dry700
Blue Ultramarine15@250
Brown, Spanish
Brown, Van Dycke5@150
Green, chrome8@150
Green, chrome, in oil
Green, Parisgood, 200; best, 250
Green, Paris, in oilgood, 200; best, 250
Iron Paint, bright red Pho 21/40
Iron Paint, brown 10 1/20
Iron Paint, purple 3c
Iron Paint, ground in oil, bright red 3 10 5/20
Iron Paint, ground in oil, red 10 50
Iron Paint, ground in oil, brown 1 10 41/60

Iron Paint, ground in oil, purple	. B Th 6c
Iron Paint, ground in oil, purple Linseed Oil, raw Single Boiled	59C
Single Boiled	
Double 44	
Mineral Paints	96040
Orange Mineral	*********
Red Lead American	61/6000
Orange Mineral Red Lead, American Red Venetian, (English) dry \$1. Red Venetian, in oil assorted cans, or	
Red Venetian, (English) dry pr.	0 to \$1.75
Ped Indian des	; kegs, oc
Red Indian, dry	9@12C
Red Indian, dry	10@13C
Sienna, American, raw	4C
Sienna, Burnt	4%C
Sienna, burnt, in oil	8@15C
Sienna, raw	8@15C
Umber, burnt	4@8c
Umber, burnt	8@15C
Umber, raw, in oil	8@15C
Vermilion, Chinese	goc
Vermilion, English	50(@)55C
Vermilion, American, common	ISC
White Lead, American, pure dry	6@6%c
White Lead, American, pure in oil	6@6½c
White, Paris, English, primein brl	s. 11/2@2C
Yellow Ochre, French	\$1.75
Yellow Ochre, French, in oil .asst'd cns, oc	: kegs, 6c
Yellow Ochre, Americanin bbls	11/@11/c
Yellow Chrome, in oil	@12@18c
Yellow Chrome, in oil	sm6c
Zinc White, American, No I, in oil	
Zinc White French (Parish) dry	
Zinc White, French in oil	9@120
Zinc White, French in oil	9@12C
OILS.	10@140
OILS.	10@140
OILS. Bleached W. Sperm oil	10@140
OILS. Bleached W. Sperm oil	10@140
OILS. Bleached W. Sperm oil	18@1 20 13@1 14
Bleached W. Sperm oil I B. W. Elephant oil	18@1 20 13@1 14 75@—
Bleached W. Sperm oil I B. W. Elephant oil	18@1 20 13@1 14 75@— 70@ 72 60@ 62
Zinc White, French in oil	18@1 20 13@1 14 75@— 70@ 72 60@ 62 50@ 60
Dilance Color Dilance Dilanc	18@1 20 13@1 14 75@— 70@ 72 60@ 62 50@ 60 12@ 25
Zinc White, French in oil	18@1 20 13@1 14 75@
Dils. Bleached W. Sperm oil	18@1 20 13@1 14 75@
Dils. Bleached W. Sperm oil	18@1 20 13@1 14 75@ 70@ 72 60@ 62 50@ 60 12@ 25 50@ 55 42@ 55
Dils. Bleached W. Sperm oil	18@1 20 13@1 14 75@— 70@ 72 60@ 60 12@ 25 50@ 55 42@ — 65@ 80
Dils. Bleached W. Sperm oil	18@1 20 13@1 14 75@ 72 60@ 62 50@ 60 12@ 25 50@ 55 42@ — 65@ 80
Dils. Bleached W. Sperm oil	18@1 20 13@1 14 75@ 72 70@ 72 50@ 60 12@ 25 50@ 55 42@ -659 80 40@ 55 65@ 70
Bleached W. Sperm oil	18@1 20 13@1 14 75@ 72 60@ 62 50@ 60 12@ 25 50@ 55 42@ — 65@ 80
Dils. Bleached W. Sperm oil	18@1 20 13@1 14 75@ 72 60@ 62 50@ 60 12@ 25 50@ 55 65@ 80 40@ 55 65@ 70 15@ 25
Dils. Bleached W. Sperm oil	18@1 20 13@1 14 75@ 72 60@ 62 50@ 60 12@ 25 50@ 55 65@ 80 40@ 55 65@ 70 15@ 25
Bleached W. Sperm oil. Bleached W. Sperm oil. Nat. """ B. W. Elephant oil. "Whale oil. Prime Lard oil. Extra No. 1 Lard oil. Lubricating oils. Miners' oil. W. Pressed Fish cil. Neatsfoot oil. Steam-refined Cylinder oil. Best Filtered Signal oil. Parafine. SUNDRIES. Benzine. Bez.	18@1 20 13@1 14 75@————————————————————————————————————
Bleached W. Sperm oil. Bleached W. Sperm oil. Nat. """ B. W. Elephant oil. "Whale oil. Prime Lard oil. Extra No. 1 Lard oil. Lubricating oils. Miners' oil. W. Pressed Fish cil. Neatsfoot oil. Steam-refined Cylinder oil. Best Filtered Signal oil. Parafine. SUNDRIES. Benzine. Bez.	18@1 20 13@1 14 75@————————————————————————————————————
Bleached W. Sperm oil. Bleached W. Sperm oil. Nat. """ B. W. Elephant oil. "Whale oil. Prime Lard oil. Extra No. 1 Lard oil. Lubricating oils. Miners' oil. W. Pressed Fish cil. Neatsfoot oil. Steam-refined Cylinder oil. Best Filtered Signal oil. Parafine. SUNDRIES. Benzine. Bez.	18@1 20 13@1 14 75@————————————————————————————————————
Zinc White, French in oil. Dills. Bleached W. Sperm oil	18@1 20 13@1 14 75@— 70@ 72 60@ 66 12@ 25 50@ 56 50@ 55 42@ — 56@ 55 42@ — 66@ 70 13@ 25 1, 8@10c 1., 38/1c 1, 1/2 keg, 7c
Zinc White, French in oil. Bleached W. Sperm oil	18@1 20 13@1 14 75@————————————————————————————————————
Bleached W. Sperm oil OILS. Bleached W. Sperm oil II. Nat. " I B. W. Elephant oil " I B. W. Elephant oil Extra No. 1 Lard oil Lubricating oils Miners' oil W. Pressed Fish cil W. Pressed Fish cil Neatsfoot oil Steam-refined Cylinder oil Best Filtered " " Signal oil Parafine SUNDRIES. Benzine SUNDRIES. Benzine \$\ \mathred{\text{Benzine}} \mathred{\text{Fg}} \mathred{\text{ga}} \mathred{\text{Chalk}}, block Dryer patent Am'n asst'd cans, 9c Frostings.	18@1 20 13@1 14 75@— 70@ 72 60@ 66 12@ 25 50@ 66 12@ 25 50@ 55 42@ — 65@ 86 60@ 70 13@ 25 1, 8@10c 1, 38½ c 1, \$@10c
Zinc White, French in oil. Bleached W. Sperm oil	18@1 20 13@1 14 75@— 75@— 75@— 75@— 75@— 75@— 55@— 55 65 65 65 65 65 65 65 65 65 65 65 65
Bleached W. Sperm oil	18@1 20 13@1 14 75@— 70@ 72 60@ 62 12@ 25 50@ 60 12@ 25 50@ 55 65@— 65@ 80 65@ 70 15@ 25 1, 8@10 25 1, 8%10 1, 38% c 1, 38% c
Bleached W. Sperm oil	18@1 20 13@1 14 75@— 70@ 72 60@ 62 12@ 25 50@ 60 12@ 25 50@ 55 65@— 65@ 80 65@ 70 15@ 25 1, 8@10 25 1, 8%10 1, 38% c 1, 38% c
Bleached W. Sperm oil	18@1 20 13@1 14 75@— 75@— 75@— 75@— 75@— 75@— 75@— 75@—
Bleached W. Sperm oil	18@1 20 13@1 14 75@— 75@— 75@— 75@— 75@— 75@— 75@— 75@—
Zinc White, French in oil. Bleached W. Sperm oil	18@1 20 13@1 14 75@— 70@ 72 60@ 62 50@ 65 12@ 25 50@ 55 42@ — 55@— 55@— 55@— 55@— 55@— 55@— 55@— 11, 8@10c 11, 38½ c 3½c .

⋖METALS.►

TIN PLATES.

	_			
117 -	mb and Fla	CK TIN.	((Camalas II	
Large Pigs Small Pigs				21
Bars				
Dars		S' SOLDE		32
No. 1 Refined				13
Market Half-				15
Strictly Half-				
		G PLAT		***
IC. 14820, Ch				5 75
IX, 14320,	68 68	66	**********	7 50
IC, 20x28,	66 66	04	**********	
IX, 20x28,	46 66	6.	**********	
	tra fine q	uality, c	harcoal roof-	
ing	g, genuine		le" redipped.	15 75
IX, 20X28,	64	48"	47.	19 75
	TIN	PLATES.		2 10
IC, jox				6 50
IX, sox				8 50
IC, 12X1				6 75
IX, 12X				8 75
IC. 14X				6 50
IX. 14X				8 50
IXX. 14X:				10 50
IXXX. 14X				12 50
IXXXX, 14X	20, 41			14 50
IX. 20X				18 00
	Plate "			6 25
DX. 100.				8 25
DXX, 100,				10 25
DXXX. 100.				12 25
	COKE	PLATES.		
IC, rox14, bri	ght, "B. V	." grade		5 25
IC, 14x20, "				5 25
IX, 14X20, "			**********	7 25
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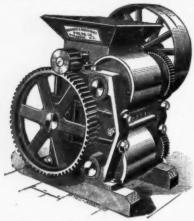
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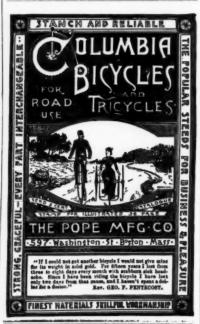
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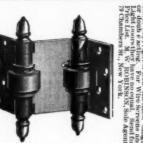


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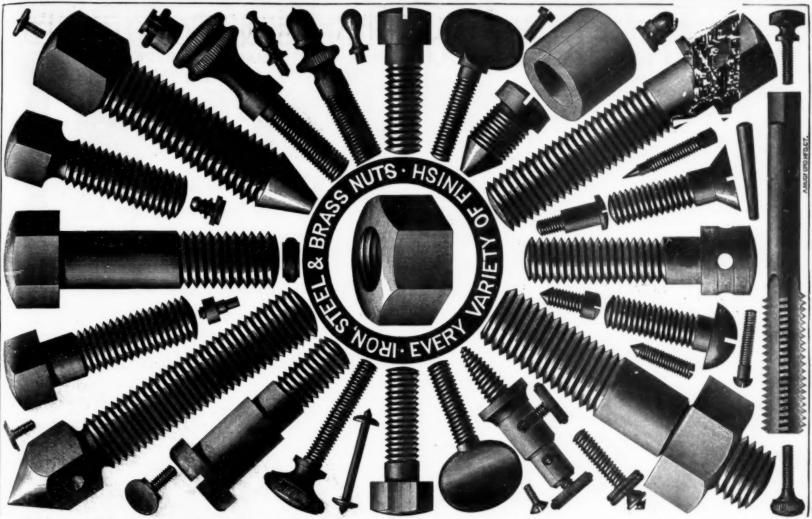
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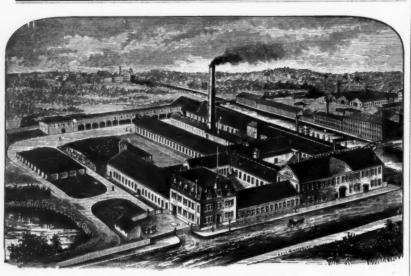
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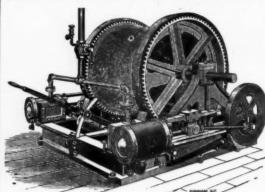
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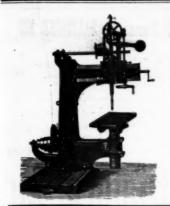
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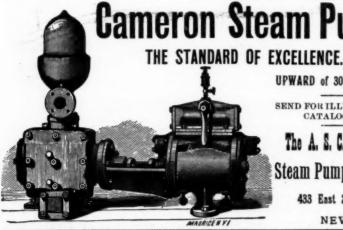
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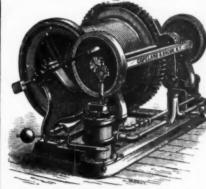
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Conn. Valley Mfg. Co
Eagle and Vulcan
Double Cut Gimlet Bits, I ves
Patent Peg, Plain Top
Awls, Patent Peg Awls, Shouldered Brad, \$\mathbb{\math
Collins & Co
Collins & Co
Axles. Sheldon & Co., iron.
BALANCES.
Spring Balancesdis 25& 10 %
Hand, Light Brass dis 70 % Hand, White Metal dis 60 % Hand, Silver Chime dis 20 % 10 % Hand, Globe (Cone's Patent dis 23 % 10 % Gong, Abbe's dis 20 % 10 % Gong, Yankee dis 30 % 10 % Gong, Barton's dis 20 % 10 % Leon Reading dis 23 % 10 % 10 % Leon Reading dis 23 % 10 % 10 % Leon Reading dis 23 % 10 % 10 % Crank, Taylor's dis 25 % 10 % Crank, Taylor's dis 25 % 10 % Lever, Sargent's dis 55 % 10 % Gow, Common Wrought dis 55 % 10 % Cow, Common Wrought dis 55 % 10 % Cow, Western, Sargent's List dis 55 % 10 % Cow, More's or Dodge's, Genuine Ky, new list Nos. 0 1 1 1 % 2 3 5 5 6 Hog dis 60 % Cow, Texas "Star" dis 40 %
Hand Bellowsdis 25 %
Francis. dis 20 % Mackrell's
Barbed, 1/2 in. and larger
BLOCKS.
Penfield Block Co., Rope and Iron Strap'd. dis 40 % MOLTS. Cast Iron Barrel Shutter, &c dis 55&10 % Cast Iron Chain (Sargent's list). dis 60&10 % Wrought Barrel. dis 55&10 % Wrought Square. dis 55&10 % Wrought Square. dis 55&10 % Wr. Shutter, Brass Knob, Stanley's list. dis 50&10 % Wr. Shutter, Brass Knob, Stanley's list. dis 55&10 % Wrought Shutter, Sargent's list. dis 55&10 % Wrought Shutter, Sargent's list. dis 55&10 % Wrought Sunk Flush, Sargent's. dis 65&10 % Wrought Sunk Flush, Sargent's. dis 55&10 % Wrought Sunk Flush, Stanley's dis 50&10 % Garriage Bunk Flush, Stanley's dis 50&10 % Carriage and Tire, Common, new list. dis 55 % Carriage and Tire, Common, new list. dis 50 % Carriage Bolts, Lancaster Bolt Co. Excelsior, Low List. dis 60 % So.
Carriage and Tire, Common, new list

Shelf, plain
Union Nut Codis 55 % Sargent's dis 60% to \$
Wrought Brass
Fast Joint, Broad dis 60&10 5 Loose Joint, Broad dis 60&10 5 Loose Joint, Broad dis 60&10 5 Loose Joint, Broad dis 60&10 5 Table Butts, Back Flaps, &c dis 60&10 5 Inside Blind, Regular dis 60&10 5 Loose Pin, Wrt. dis 60&10 5 Loose Pin, Light dis 60&10 5
Spring Hinges- Geer's Spring and Blank Butts dis 25 % Geer's Spring and Blank Butts dis 50 % 10 % Clarke Hardware Co's dis 50 % 10 % American Spring Hinge Co's dis 25 % Gem Spring Hinges dis 25 % Blind Butts Shepard's No. 050 dis 70 % 10 % Blind Butts Shepard's No. 75 dis 70 % 10 % Blind Butts Shepard's No. 75 dis 70 % 10 % Blind Butts Clark's No. 1, 3, 5 dis 70 % 10 % Standard Lull & Porter dis 75 % Standard & Porter dis 75 % Standard & Porter dis
Humason, Beckley & Co'sdis 55&5 % Sargent & Co's\$19.70 and 21.40; dis 66&10 %
BUTCHER'S CLEAVERS. Humason & Beckley Míg. Co
American
U. M. C., F. C. trimmed
Rim
** Swaged Conical
Horse and Curry, new list, July, 1881dis 10 % Cotton, new list, July, 1881dis 10 % Wool, new list, July, 1881dis 10 %
Bullard'sdis 25 %
CASTERS. Gasters
P. S. & W
German Halter and coil Chain dis 50&10 Trace, Breast and Fancy dis 45&5 \$ Oneida Halter Chain (old list) dis 45&5 \$ Oneida Halter Chain (old list) dis 45&5 \$ Galvanized Pump Chain P B B C net Jack Chain, Iron dis 60&10 \$ Jack Chain, Brass dis 50&10 \$ CHALK P gross 60c net Red P gross 8cc net
CHALK. White
Cotton Fish Lines
CHISELS. Socket Framing, Crossman dis 65&5 % Socket Framing, P. S. & W. dis 70&10 % Socket Framing, Douglass' dis 70&10 % Socket Framers, Crossman dis 65&5 % Socket Firmers, Chio Tool Co dis 60&10 % Socket Firmers, Douglass' dis 70&10 % Socket Framers, Douglass' dis 70&10 % Socket Corner dis 70&10 % Tanged Firmers, Butcher's \$5,000(\$\$5,25 to £ L. Merrill's Socket and Framing Chisel dis 65&10 % CLAMPS.
ron, Screw, Eagle
CLIPS, AXLE. Norway or Best
Merrill's Socket and Framing Chiseldis 69&10 % CLAMPS
COFFEE MILLS. Parker's

	DIDING MINO	TOTORDAG ALCOAD.	
→ HARDWARE. ←	Shelf, plaindis 50&10 %	Dividersdis 55 % Cook's Pencil	Maydole'sdis 15 %
Baltimore WHOLESALE Prices.	Shelf, fancy	Bradley'sdis 15@20 ≸ Barton'sdis 20 ≸	Magnetic Tack, Nos. 1, 2, 3, \$1.26, 1.50 and 1.75
-	Union Nut Codis ss \$	Cast Steel	Yerkes & Plumb
Eagle and Vulcan	Sargent's	Curling Irons, &c. 1/2, 1/4, in., \$1.80, 2.00, 2.50	Nos 0 1 9 3 4 Per doz. \$0.80 1.00 1.18 1.35 1.50dis 53620 %
Wright's 10 ½ c Armitage's Mouse Hole 9½ c Trenton 10 ½ c Wilkinson's 10 ½ c	Cont Power I and Julian	Pinching Irons	Bronze Iron Drop Latches
	Fast Joint, Narrow dis 45&10&10 %	Fitch's new list	no Plate, \$1.10
Conn. Valley Mfg. Co	Loose Joint, Japanned	Lawrence, "Perfect"	Surface Chestdis 55&10 \$ Flush Chestdis 55&10 \$
Patent Solid Headdis as \$	Mayer's Hingesdis 60&10&10 \$	Sweet & Clarke	Lifting
Russell Jennings' Auger, Dowell, Machine- Dowel and Hand Rail Bitsdis 10&10&10 % Ives' "Jeanings" Bits	Loose Pin, Acorns. Lananned dis 60&10&10 %	Silvered Glass	Hammer and Hatchet
Expansive Bits, Clark's small, \$18; large, 26dis 25 % Expansive Bits, Ives'\$20@30, dis 33½ % Expansive Bits Blake's	Wrought Iron.	Association (Table)net	Auger, large, # gross
Hollow Augers, Ivesdis 25 %	Fast Joint, Lt. Narrowdis 60&10 \$	Excelsior Knife Co	Patent Auger, Ives'dis 25 % Patent Auger, Douglass'
Hollow Augers, Douglass, Hole \$4,8, dis 25&10 & Hol. Aug., Bonney's Adjust., Hole \$4,8, dis 25&10 & Hol. Aug., Stearns' Adjust., Hole \$4,8, dis 20&10 & Hol. Aug., Ures' Expansive, each \$4,50, dis 20&10 & Hol. Aug., Universal Expansive, each \$4,50, dis 20 \$	Loose Joint, Broad	Ames' Shoe Knives	White Mountain, per doz
Gimlet Bits	Loose Pin, Wrtdis 60&10 \$	Leatherdis 25 %	Barn Door, old patternsdis 60&10 %
Gimlet Bits, Diamond	Loose Pin, Light dis 60&10 % Spring Hinges Geer's Spring and Blank Buttsdis 25 %	DOOR SPRINGS. Torrey's Rod, regular size, \$\mathbb{\pi}\ \doz., \$3\dis 40\&10 \mathbb{\pi}\ \text{Gem (Coil):}	Barn Door, New England
Double Cut Gimlet Bits, Douglass'dis 33½ % Double Cut Gimlet Bits, Ivesdis 50 % Morse's Bit Stock Drill	Clarke Hardware Co'sdis 50&10 %	No. 1, Large Japanned # doz \$4.00 No. 2, Medium Japanned # doz 2.75 dis 40 %	Richard's dis so st
L'Hommedieu's Ship Augersdis 15 % AWL HAFTS. Sewing Brass Ferrule\$1.50 \$\text{B} gross-dis 40\text{8}10 \times	Brind Butts, Shepard S, Nos. 30 and 60	No. 3, Small Japanned	Shingling, Nos. 1 2 3
Sewing Brass Ferrule\$3.50 P gross—dis 40&10 % Patent Sewing, Short\$10 P gross—dis 40&10 % Patent Sewing, Long\$1.20 P doz. net	Blind Butts, Shepard's No. 75	No. 6, Medium	Hammond's new listdis 45 %
Patent Sewing, Long	Blind Butts, Huffer	Standard—10 doz \$1.25; 3 doz \$1.75dis 50&10 % 8 doz 2.50; 6 doz \$3.50dis 50&10 % Hercules	Hunt's
Awls, Sewing, Common	Humason, Beckley & Co's	Ohio Tool Co	"Lightning" % doz \$20,00 net 5 %
Awls, Patent Peg	Hotchkiss	Nobles Mfg. Co	#INGES Plate Hinges (8,10&12 in
Awis, Handled Brad	Bradley's	P. S. & W	Screw Hook § 8, 10, 12 in
		Blacksmiths — each, \$2.50, dis 10 % Blacksmiths Self-Feeding — each, 7.50, dis 20 % Breast, P. S. & W — dis 20 % 10 % Breast, Wilson's — dis 20 % 10 %	
Collins & Co	American #g gross \$7,50, dis 10 5	Breast, Millers Fallseach, \$3.00, dis 25 %	Crown Screen Door Latch
Single Bit, 4½ to 5½ and under? doz. \$7.25 net Single Bit, 4½ to 6 and over? doz. \$7.75 net Single Bit, beveled	Sardine Scissors W doz \$7.00, dis 55 %	Breast, Bartholomew'seach, \$2.50, dis 25&10 % Wilson's Drill Stocks	Bickford Portable Pumpeach \$6, dis 20 \$ American Cake Mixer, No. 6each \$3.50, dis 20 \$ American Tobacco Cutter \$2 doz \$15, dis 30 \$
Double Bit, 4½ to 5½ and under A doz. \$12.00 net Double Bit, 4½ to 6 and over doz. \$13.00 net	Universal	EGG BEATEKS. Dover	American Tobacco Cutter P doz \$15, dis 30 \$ A. M. Co. Clothes Wringer, No. 2 rolls, 10x1½, P doz \$37.50; No. 2½ rolls, 12x1½, \$48
Double Bit, beveled	U. M. C., F. L. ground	Victoriagross, \$10,00	Heavy Welded Hook 8@12 in. \$7.50 } 100 fb. dis 14 in. & up, \$6 } 100 fb. dis 13 in. & up, \$6 } 100 fb. 30 \$6 100 fb. 30 \$6 \$6 100 fb. 30 \$6 \$6 100 fb. 30 \$6 \$6 \$6 100 fb. 30 \$6 \$6 \$6 \$6 \$6 \$6 \$6 \$6 \$6 \$6 \$6 \$6 \$6
Sheldon & Co., iron	E. B. 1-10. Elev S	Regular numbers	Screw Hook and Eye
Spring Balancesdis 25& 10 %	Hicks Ground Edge in Brass Boxes55c	Kettles	1/2 in
Hand, Light Brass	Rim	Tinned Sauce Pansdis 40 % Escutcheon Pins—Brassdis 50 % ESCUTCHEONS.	Planters
Hand, Silver Chimedis 20&10 % Hand, Globe (Cone's Patentdis 25&10 % Gong, Abbe'sdis 20&10 %	B. B. Caps, Round Balls	Door Lock	Grubdis 50 % Hick's Pat, Solid C. S. Planters'dis 60&10 % Hick's Pat, Solid C. S. Scovill Patterndis 60&1 %
Gong, Yankee	Rim-fire, 22 short., \$ 5. long \$ 6.00	Wood	Hubbard, Bakewell & Co−dis 50&10 ≸ HORSE NAILS. Ausable: Nos. 5 € 7 8 9 10
Pull, Brook's	10.00 17.50 Central Fire—32, \$11.00; 38, \$13.50; 41, 15.00; 44, \$19.	Fenn's Cork Stops dis 33½ % Star dis 55&10 %	Finish'd & h. are also ase are are dis solt to
Lever, Sargent's	Cotton, new list, July, 1881	West's Patent Key	Clint'n, P'n, '' 23c 21c 20c 19c 18c .dis 20k10 5 Clint'n, Fin'd '' 24c 22c 21c 20c 19c. dis 20k10 5 Essex, 14 h31c 28c 26c 25c 24c 23c .dis 30 5
Cow, Common Wroughtdis 55&10 % Cow, Western, Sargent's Listdis 55&10 %	Wool, new list, July, 1881	Cork Lined	Putnam "27c 24c 22c 21c 20c 19cdis 5%10 % Saranac "26c 23c 21c 20c 19c 18cdis 20 % Globe, "26c 23c 21c 20c 19c 18cdis 10&5 % N'thw'n "28c 23c 22c 21c 20c .dis 10&10%10 %
Cow, Kentucky, Sargent's Listdis 55&10 \$\circ{8}{2}\$ Cow, Moore's or Dodge's, Genuine Ky., new list: Nos. o 1 1½ 2 3 5 5 6 Hog dis. 65 & \$\frac{1}{2}\$ \$10 \$\frac{5}{2}\$ \$	Cast Iron, Steel Points	E. M. Boynton'snew list, dis 25 %	N'thw'n " 28c 25c 23c 22c 21c 20c.dis 10&10 % Champiain Forged & m 30c 27c 25c 24c 23c 22c.dis 25&10 %
\$12 \$10 \$9 \$8 \$7 \$4 \$3.50 \$2.50 \$5 \ 10 \% Cow, Texas 'Star' dis 40 \%	Bed	Western File Co	A. C., & b
Blacksmith's Common	Deep Socket	H. Disston & Sous (new list)	Bridgewater24c 21c 19c 18c 17c 16cdis 25&5 \$ New Haven33c 30c 28c 27c 26c 25c.dis 30&10 \$
Francis	Humason, Beckley & Co'sdis 60&10 \$\ Sargent'sdis 60&10 \$\ P. S. & W	New American	Capewell3rc 26c 26c 25c 24c 23c dis 20&10 % HORSE SHOES. Burden
Mackrell's	German Halter and coil Chaindis 50&10 % Trace, Breast and Fancydis 45&5 %	FLUTING MACHINES. Knox, 4½-inch Rolls\$3.50 each dis 35 % Knox, 6-inch Rolls\$4.00 each	R. I. Horse Shoe Co., Perkin's Improved, Light, Medium and Heavy
Merriman's	Oneida Halter Chain (old list)dis 45&5 % Galvanized Pump Chain	Knox, 8-inch	
Zimmerman's, without screws\$5.00 less BLIND STAPLES.	Jack Chain, Brassdis 50&10 %	Eagle, 5%-inch Koll 2.85, dis 35 % Crown, 4%-in., \$2.50; 6, \$4.00; 8, \$6.50 eachdis 35 %	Mule
Barbed, ¼ in. and larger	White	Crown Jewell	Excelsior
Penfield Block Co., Rope and Iron Strap'ddis 40 % BOLTS. Cast Iron Barrel Shutter, &cdis 55&10 %	White Crayons	Crown Hand Fluter, Nos. 1, \$15; 2, \$12.50; 3, \$10,50; 4, \$8.25 \$\pi\$ dozdis 35 \$\%\$ Combined Fluter and Sad Iron, \$\pi\$ doz \$15.00, dis 30 \$\%\$	ICE CREAM FREEZERS. Peerless—3 quart, \$4.50; 4 quart, \$5.50; 6 quart, \$7; 8 quart, \$9; 10 quart, \$12. The Grooch Patent
Cast Iron Chain (Sargent's list)dis 60&20 \$\%\text{Wrought Barrel}dis 55&20 \$\%\text{S}	Cotton Chalk Lines, 20 feet: Nos. 11, 13, 15, 17, 20, dis 33\frac{1}{3}	FORKS. Lawson & Brenizer	"Giant"—14 quart, \$20; 18 quart, \$25; 21 quart, \$30; 25 quart, \$35; 32 quart, \$40; 42 quart, \$45. Discount 50 \$.
Wrought Square	Socket Framing, Crossman	Sheble & Fisherdis 50& 10 % FRY PANS. Burnished list as followsdis 60& 10 & 10 %	American-2 quart, \$2.75; 3 quart, \$3.25;
Wrought Shutter, Sargent's listdis 55&10 % Wrought Sunk Flush, Sargent'sdis 65&10&10 % Wrought Sunk Flush, Stanley'sdis 40&10 %	Socket Framing, P. S. & W	Noo 1 2 3 4 5 6 7 8 P. doz\$3.00 3.75 4.25 4.70 5.25 6.00 7.00 8.00 9.00	Crown, single action, 2 quart, \$3.75; 3 quart, \$4.50; 4 quart, \$5.50; 6 quart, \$7; 8 quart, \$9; to quart, \$11; 14 quart, \$14dis 45 %
Wrought B. K. Flush, Stanley'sdis 50&10 % Carriage and Tire, Common, new listdis 75 % Carriage and Tire, Philadelphia Patterndis 50 %	Socket Firmers, Douglass'dis 70&10 \$ Socket Cornerdis 70&10 \$	GAUGES. Marking, Stanley's	Crown, double action, with crank, 8 quart, \$10.50; 10 quart, \$13; 14 quart, \$16.50; 18 quart, \$21; 24 quart, \$25. With fly wheel,
Carriage Bolts, Clarke'sdis 80 % Carriage Bolts, Lancaster Bolt Co. Excelsior, Low List	Tanged Firmers	Wire	8 quart, \$13; 10 quart, \$16; 14 quart, \$20; 18 quart, \$25; 24 quart, \$30; 32 quart, \$37.50
Norway	Iron, Screw, Eagle	GIMLETS. Mail and Spike	Star, double action, a quart, \$3.75; 3 quart, \$4.50; 4 quart, \$5.50; 6 quart, \$7; 8 quart, \$6; 10 quart, \$11; 14 quart, \$14dis 45 \$
Tire, "Bay State"dis 65 % new list Eagle Philadelphia Tire Boltdis 80 %	Iron, Cabinet, Sargent's	"Diamond" Gimlets	Gem, double action, a quart, \$3.75; 3 quart, \$4.50; 4 quart, \$5.50; 6 quart, \$7; 8 quart, \$9; 10 quart, \$11; 14 quart, \$14dis 55 %
Stove	Norway or Best	Double Cut, Ives'dis 50 % Double Cut, Douglass'dis 32 4 %	Crown Ice Chipper
Bolt Ends and Lag Screwsdis 70 % BORAX. 150 % b net.	Coal Hods—Griffiths'	"Reel"	Carriage, (Jap'd 80 c @ gross)dis 60&10 % Base—Commondis 30&10 % Hemacite Door Knobsnew list, dis 35&5 %
Q. S. Backus	Racking, new list, July 10, 1880	Tinned and Enameled	Door Mineral Door Por. Jap'd Door Por. Plated. Same discounts as Door Locks.
Spoffard's Patentdis 50&5 % Ive's Patent Bracesdis 50 % Common Ball (American)dis 55 %	Ale and Beer, new list, July 10, 1880 dis 50&10 % COFFEE MILLS. Parker's	Sargent's Patent	Door Por
Amidon's	Wilson's dis 50 % Logan & Strobridge dis 45 % Enterprise Mfg. Co dis 25 %	Eley's B. E. wads, 11 upwards	Picture
Sweet & Clark upright, 3.60 angular	Compasses, Dividers, ac. dis 55 %	** P. E. ** 11 upwards	Melting & Skim'ng, Monroe's Pat. W doz \$4dis 40 \$
Phillips, with Augers7.00 7.30Bet	Calipersdis 55 %	# # # \$	Melting, C & Cdis 30&zo ≸

Maydole's HAMMERS. die se «
Maydole's
Kip's or Selsor's
HANDLES. — Door or Thumb Latches. Nos 0
Surface Chest. dis 55&10 5 Flush Chest. dis 55&10 5 Flush Chest. dis 55&10 5 Lifting dis 50&10 5 Saw and Plane dis 40&10 5 Lippincott Cross-Cut Saw are per pair Hammer and Hatchet dis 20 5 Brad Awl dis 20 5 Flush Auger, per pair Mary dis 20 5 Flush Auger, Douglass dis 20 6 Flush Auger, Douglass dis 25 6 Flush Auger, Swan's Bet 1 20 8et MAMMOCK CHAIRS. White Mountain, per dos 35.00
Auger, assorted, § gross \$4.50 Auger, large, § gross \$5.00 Patent Auger, Ives dis 39 5 Patent Auger, Douglass \$9.81 \$4.25 pet Patent Auger, Swan's \$9.81 \$1.00 net
II II Finished in sed needles A
HANGERS. dis 60&10 S
Warner's dis so \$
"Lightning" A doz \$20,00 n.t 5 %
#INGES Plate Hinges (\$,10&11 in
Crown Screen Door Latch
A. M. Co. Clothes Wringer, No. 2 rolls, 10x1½, 3 doz \$37.50; No. 2½ rolls, 12x1½, \$48
12x13, \$46
1/2 in
Planters
Ausable: Nos. 5 6 7 8 9 10 Plain, 2 th 30c 27c 23c 24c 23c 28c. dis 20&10 5 Plain, 2 th 30c 27c 23c 24c 23c 28c. dis 20&10 5 Finish'd 2 th. 31c 28c 26c 25c 24c 23c dis 20&10 5 Clint'n, Pin," 23c 21c 20c 19c. dis 20&10 5 Essex, 2 th 31c 28c 26c 25c 24c 23c. dis 20&10 5 Putnam " 27c 24c 28c 21c 20c 19c. dis 5&10 5 Saranac" 26c 23c 21c 20c 19c 18c dis 20 5 Globe, " 26c 23c 21c 20c 19c 18c dis 20 5 Withw'n " 28c 25c 23c 22c 21c 20c. dis 10&10 5 Champiain Forged 38 th 20c 29c 28c 22c 21c 20c dis 26&10 5
A. C., 20 D
New Haven33c 30c 28c 27c 26c 25c.dis 30&10 % Capewell31c 26c 26c 25c 24c 23c.dis 20&10 % HORSE SHOES. Burden
Burden.
HORSE POKES. \$8 74 doz. Akron. \$3 74 doz. Ox Shoess—Mt. Carmel Ox Shoes. 10 cts. 74 fb.
Peerless-2 quart. \$4.50: 4 quart. \$5.50: 6 quart. \$7.
8 quart, \$9; 10 quart, \$12. The Grooch Patent "Giant"—14 quart, \$20; 18 quart, \$25; 21 quart, \$30; 25 quart, \$45. Discount 50 %. American—2 quart, \$2.75; 3 quart, \$3.25;
4 quart, \$3.75; 6 quart, \$5 eachdis 45 \$ Crown, single action, 2 quart, \$3.75; 3 quart, \$4.50; 4 quart, \$5.50; 6 quart, \$7: 8 quart,
\$9; 10 quart, \$11; 14 quart, \$14
\$45.50dis 45.55.
Gem, double action, 2 quart, \$3.75; 3 quart, \$4.50; 4 quart, \$5.50; 6 quart, \$7.8 quart.
\$9: 10 quart, \$11: 14 quart, \$14
Carriage, (Jap'd 80 c ₱ gross)
Furniture Plain
Hemacite, Picturedis 35 \$ Shutter, Porcelaindis 50& 10 \$
Melting & Skim'ng, Monroe's Pat. W doz \$4dis 40 \$

84	BALTIMORE MANU
LAWN MOWERS. Buckeye, Easy and Excelsior, new list dis 30 %	Enterprise Mfg. Codis 25 Monarch
Liner Fish. dis 25&10 \$\frac{1}{8}\$ Liners. Liners. Liners. Liners. \text{Liners.} \text{dis 25&10} \$\frac{1}{8}\$ doz \$\frac{3}{8}\$ doz \$\frac{3}{8}\$ dos \$\frac{3}{8}\$ dos \$\frac{3}{8}\$ dos \$\frac{1}{8}\$ dos \$\frac{3}{8}\$ dos \$\	Boynton's Lightning Cross Cuts, new listdis 40
Bradford Norwalk Norwich P. & F. Corbin Russell & Erwin Mallory, Wheeler & Co. Padlocks—Russell & Erwin Mallory, Wheeler & Co. Wm. Wilcox & Co. Wm. Wilcox & Co. Wm. Wilcox & Co. Wm. Wilcox & Co's Plate Locks Romer's Conestoga Conestoga Conestoga MALLETS. List prices as revised Dec. 6th, 60&2% for cash. dis 45 % for cash. dis 45 % dis 45 % dis 45 % dis 33½ % dis 45 % dis 30% of Standard' dis 40 % dis 40 % dis 40 % dis 40 % dis 50 % of Standard' dis 40 % dis 50 % of Standard' dis	Hubbard, Bakewell & Co., Mill Saws. dis 40&5 Peace Circular and Mill. dis 40 Peace Hand, Panel and Rip. dis 25 Peace Coss Cuts. dis 35 Peace Band Saws, all widths. dis 46 Webster Cross Cut, with handles, dis 25 Griffin's Hack Saws and Blades. dis 36 Saw FRAMES. White. Pdoz \$1.05, dis 10 Saw Rods. Saw Fish ist, dis 10 Saw Rods. Saw
Wm. Wilcox & Co's Plate Locks	Saw Rods
Penfield Block Co., Apple, Hickory and Lignumvitædis 30 \$	Leach's
MEAT CUTTERS. Dixon's (P. S. & W.) Nos. 1 2 3 4. Address: 12 \$19 \$30-dis 35 \$10 \$30-dis 35 \$10 \$30-dis 35 \$10 \$30-dis 35 \$10 \$10 \$10 \$10 \$10 \$10 \$10 \$10 \$10 \$10	Disston's
Each\$3 4 5 11 13 36 dis Woodruff's (P. S. & W.)Nos. 100 150 \$\pi\$ doz. \$15 18-dis 35 \$	Hatch, Counter, No. 171 doz \$42, dis 371/2&10 9 Hatch, Tea, No. 161 doz \$15.00, dis 371/2&10 9 Union Platform, Keystone
MALLETS. Penfield Block Co., Apple, Hickory and Lignumvitæ	SCALES. Hatch, Counter, No. 171 ## doz \$42, dis 37%&10.9 Hatch, Tea, No. 161 ## doz \$42, dis 37%&10.9 Hatch, Tea, No. 161 ## doz \$15.00, dis 37%&10.9 Union Platform, Keystone. \$6, dis 45.8 Chicago Scale Co. Special dis 45.8 Forsyth Scale Go. dis 45.8 Howe's. dis 40.8 Chatillon's Grocers' dis 40.8 Chatillon's Corcers' dis 40.8 Chatillon's Eureka. dis 50.8 Family Tavorite dis 30.8 Family Tavorite dis 30.8 Family Turnbull's. dis 30.8 Scale Beams, List of Jan. 12, 1882 dis 90.8 SCRAPERS. dis 90.8
Stebbins Patterns	SCRAPERS. Adjust. Box Scraper (S. R. & L. Co.) \$6.50, dis 20&10 % Box, 1 Handle.
NUTS AND WASHERS	Douglas Mfg. Co. dis 20&10 % Disston's. dis 40 % Cowles Mfg. Co. dis 50&10&10 %
Square Nuts	Stanley Rule & Level Co's Var. Hdls. dis 50810 Stanley Rule & Level Co's Black Hdls. dis 40810 Ratchet
Zinc and Tin	Flat Head Iron list Dec. on '80 dis no 6
Per dozen	Round Head Iron dis 50 % Flat Head Brass dis 60 % Round Head Brass dis 60 % Round Head Brass dis 15 % Flat Head Blued, add 2½ % to net of invoice.
Crown Plaiting Machinesdis 25 % 6 in., \$6; 10 in. \$8 each. PLANES AND PLANE IRONS. Bench, First Quality	Brass and Silver Capped
PLANES AND PLANE IRONS.	Bed
The Stanley (S. R. & L. Co.) new list, January 1879	Bed
Button's Patent dis 33½ % Hall's Pat. Compound Lever Cutting Nippers, No. 2, 5 in. \$13 50; No. 4, 7 in., \$21 72 doz. dis 25 % Gas Pliers dis 50 %	Standard Window Screens No. 1, % doz \$4; 2, \$5 "Door "No. 5, \$15; dis 40&10 \$6 "Window Corner Irons, No. 3, doz. st's, \$2 "No. 6, "" \$3
Stanley R. & L. Co.'s Pat. Adjustabledis 65&10 \$ Stanley R. & L. Co.'s Non-Adjustabledis 65&10 \$ Chapin's Patent Adjustabledis 65&10 \$ Chapin's Non-adjustabledis 65&10 \$ Standard Rule Co.'s New Adjustabledis 65&10 \$ Standard Rule Co.'s Non-Adjustabledis 65&10 \$	Porter's Patent Window and Door Screen Frames: PER DOZ. SETS. In Im. Bl'k White. Walnut. No. 20
RAIL. Sliding Door, Wrought Brass 12 lb. 43c. dis 30 % Sliding Door, Bronzed Wrt. Iron 13 ft. 12c. dis 35 % Sliding Door, Iron, Painted 14 ft. 4c. dis 10 % 10 Barn Doorinch	Porter's Corners—
Per 100 feet\$2.60 3.60 5.60-dis 10 % B. D. for N. E. Hangers— Small, Med. Large. Per 100 feet\$2.10 2.70 .30 net.	\$2.40; Nickel, \$5.62 No. 1½. " # doz sets, Bronzed, \$3.25; Nickel, \$7.50
Iron and Tinned, new list, Dec. 10, 1881dis 40 % In bulk, new list, Dec. 10, 1881dis 40 % Copper Rivets and Burrsdis 45 % Nos. 7 8 9 10 11 12 13 14 15 % In b. 49c. 50c. 52c. 54c. 56c. 58c. 60c. 65c. 70c.	No. o. Corners and Sticks complete for a three-foot window, \$\begin{align*}{c} \text{doz} \text{ sets Bronzed}, \\ No. 1. Set for Window, \$\beta\$ \doz \text{ sets Bronzed}, \\ \$\\ \frac{\partial \text{sets}}{\partial \text{doz}} \text{ sets, Bronzed}, \\ \$\\ \frac{\partial \text{sets}}{\partial \text{sets}} \text{ sets, Bronzed}, \\ \$\\ \frac{\partial \text{sets}}{\partial \text{sets}} \text{ sets}, Bronzed
RIVET SETS. dis 40 %	No. 2½. "Door, ¾ doz sets, Bronzed, \$6.75; Nickel, \$25.00 No. 3. "
Chapin's	American (Cast) Iron
Self-Heating, Charcoal Pdoz 9.00 net Mrs. Pott's Irons SEnterprise Star Irons, new list, July 20, '82dis 35 % Comb d Fluter and Sad Iron. Pdoz \$15.00, dis 15 % Common Sad Irons 24 c Ph	lersey Shears
Baeder & Adamson's Flint, 2, 2/2 & 3, 3, 50 p r'm. Baeder & Adamson's Flint, Assort'd 4.75 p r'm. Baeder & Adamson's Star	Also see Hangers. SHOVELS AND SPADES. Ames, New List, July 1, 188r
Common	Rowland's dis 60 % Cimballs dis 35 % Lippincott, new list dis 25 % Jussy, Bins & Co dis 15 % SPOKE TRIMMERS dis 15 % Jonney's P doz \$10, dis 40&5 % tearns P doz \$9, dis 26% to % ves' No. 1, \$15; No. 2, \$12 Pr doz, dis 55% to % Jouglass P doz \$9, dis 15 %
Russian Hemp, 19 cts	SPOKE TRIMMERS. SPOKE TRIMMERS.
2	

	BALTIMORE MANUI	
	Enterprise Mfg. Codis 25 Monarchdis 40	92.95
	Enterprise Mfg. Co	一
	Hibbard, Bakewell & Co., Mill Saws. dis 408.5	
-	White	-
Control of the Contro	Stillman's Genuine,	
	Hubbard, Bakewell & Co. Circular Saws. dis 308 5 Hubbard, Bakewell & Co. Cross Cut	
	Adjust. Box Scraper (S. R. & L. Co.) \$6. 50, dis 20&10 5 Box, 1 Handle. P. doz \$4, dis 10 5 Box, 2 Handle. P. doz \$6, dis 10 5 Foot. dis 45&10 5 Ship, common. P. doz \$3, net Wilson Mfc. Co. dis 10 5 Sing to the common to the	
	Douglas Mfg. Co	
1	SCREWS. Flat Head Iron, list Dec. 27, '82 dis 70 \$ Round Head Iron. dis 30 \$ Flat Head Brass. dis 60 \$ Flat Head Brass. dis 60 \$ Flat Head Brass. dis 60 \$ Flat Head Brass. dis 15 \$ Flat Head Blued, add 2½ \$ to net of invoice. Brass and Silver Capped. dis 40 \$ Japanned, list of Plain Screws. dis 20 \$ Coach, Patent Gimlet Point. dis 60 \$ Coach, Common or Lag. dis 60 \$ Coach, Common or Lag. dis 60 \$ Coach, Common or Lag. dis 60 \$ Bed. dis 10 \$ Machine, Flat Head, Iron. dis 50 \$ Machine, Round Head, Iron. dis 50 \$ Bench, Iron. dis 50 \$ Bench, Wood, Beach. doz \$3,00, dis 10 \$ Bench, Wood, Hickory. dis 20 \$ Bench, Wood, Hickory. dis 20 \$ Hand, Wood. dis 20 \$ Hand, Wood. dis 20 \$ Hand Rail, Humason, Beckley & Co. 's. dis 40	The second secon
See that have been	Hand Rail, Sargent's. Hand Rail, Humason, Beckley & Co.'sdis 40%10 \$/ Hand Rail, Humason, Beckley & Co.'sdis 40%10 \$/ Hand Rail, Am. Screw Co., list Jan. 1, '81dis 70 \$/ lack (Wilson's). SCHEEN FRAMES AND FIXTURES. STANDARD WINDOW SCREEN NO. 1, \$\bar{9}\$ doz \$4; 2, \$\$/ Window Corner Irons, No. 3, doz. st's, \$\bar{9}\$ "Undow Corner Irons, No. 3, doz. st's, \$\bar{9}\$	
	Door "No. 5, \$15; dis 40&10 % Window Corner Irons, No. 3, doz. st's, \$2 Door "No. 6, "\$3	
	"Door Latches, 24 dozen, \$3,60	
111111	No. 20	
	three-foot window, \$\mathbb{Q}\$ doz sets\$4 No. 1. Set for Window, \$\mathbb{Q}\$ doz sets Bronzed, \$2.40; Nickel, \$5.62	
	10. 1. Set for Window, \$\mathbb{B}\$ doz sets Bronzed, \$\frac{\pi_2.40}{\pi_2.80}\$, Nickel, \$\frac{\pi_5.60}{\pi_5.60}\$, \$\mathbb{B}\$ doz sets, Bronzed, \$\frac{\pi_2.87}{\pi_5.80}\$, Nickel, \$\frac{\pi_5.60}{\pi_5.80}\$, Nickel, \$\frac{\pi_5.60}{\pi_5.80}\$, Nickel, \$\frac{\pi_5.60}{\pi_5.80}\$, \$\mathbb{B}\$ doz sets, Bronzed, \$\frac{\pi_5.60}{\pi_5.80}\$, Nickel, \$\frac{\pi_5.60}{\pi_5.80}\$, \$\mathbb{B}\$ doz sets, Bronzed, \$\frac{\pi_5.60}{\pi_5.80}\$, Nickel, \$\frac{\pi_5.60}{\pi_5.95}\$, Nickel, \$\pi_5.60\$, Nickel, \$\pi	
	\$4.00; Nickel, \$8.00 10. 1/2. " or door, \$\frac{1}{2}\$ doz sets, Bronzed, \$1.20; Nickel, \$3.00	
	o. 4½. " or Door, & doz sets, Bronzed, \$2.00; Nickel, \$4.00 Door, & doz sets, Bronzed,	
N	\$6.75; Nickel, \$15.00 Ador sets, Bronzed, \$15.00; Nickel, \$24.00 SHEARS AND SCISSORS.	
A	Merican (Cast) Iron dis 70% 10 dis 70% 10	1
1	iding Door, M. W. & Co., List	-
i i	SHOVELS AND SPADES.	(
le ti	SPOKE TRIMMERS. Dinney's Di	-

6	SILVER PLATED HOLLOW WARE.	
6	Wm. Rogers Manf. Co	Bri Bri
	SFOONS.	Bri Cop Gal Tir
	STONE,	An
	Hindostan No. 1, 5c.; Axe, 8c	Fer Jap Gal Buc Pic Clo
	SQUARES.	Win
	Steel	Am Bax Bax
	TACKS, BRADS, AC.	Coe Coe
The second secon	New List, Sept. 1, 1882.	Coe Gira Gira Alw
the same of the sa	Finishing Nails	Univ Univ Univ Univ Univ Univ Peer
-	TAP BORERS.	Peer
- residence - total and -	Common and Ring dis 20 % Ives' Tap Borers dis 15&10 % Enterprise Mfg. Co dis 25 % TOBACCO CUTTERS. Enterprise Mfg. Co (Champion) dis 25 % Wood Bottom ₩ doz \$12.00, dis 40&5 % All Iron	"Dia Rota Meta Hop
	Wilson'sdis 35 %	
	THERMOMETERS.	Loop
-	Tin Case	Rou
	Winsted № 10 gc. dis 5 % TRAPS.	Loop
	Game, Newhouse	Strap Leat Snap Thin Ham Hors " Cattl
	TROWRLS. Lothrops' Brick and Plastering dis 25 Reed's Brick and Plastering dis 15 Disston's Brick and Plastering dis 20 Clement & Maynard's dis 20 Worrall's Brick dis 20 Brades & Walby's dis 20 Garden dis 55 TRUCKS (WAREHOUSE, &C.)	Laria Picke Hors Cattle Web Rope Drivi Weig Hitch Breas
	Handy Truck	Post Halte Rein Marti Rod
3	" Trenton	Lytle Bull S Solde Hitch Halte "New "New
	THE WM. ROG	F
(Cilvor-Diotod	T

SILVER PLATED HOLLOW WARE.

	WIRE.
5&5 %	Brass and Copper, list of Jan. 17, 1884dis 18
31/3 %	Bright and Annealed Nos. o@18, dis 50&10
2/2 /-	Bright and Annealed Nos. 19@26, dis 60&10
	Bright and Annealed Nos. 27@36, dis 70
k10 %	Brass and Copper, list of Jan. 17, 1884dis 15 Bright and Annealed
65 %	Galvanized, Nos. o to 18 Market list dis 40
65 %	Tinned, Nos. o to 18dis 60
40 %	Tinned Broom Wire, Nos. 18 to 25dis 60
	Annealed Fence, Nos. 8&9dis 55
	Annealed Grape, Nos. 10 to 14dis 50@10
net	Fence Staples, Galvanized
\$ 10 %	Japanned Barb Fence 10 6
. net	Buck Those Columnized
. net	Dicture Wire
, net	Clothes Line Wise Columniand
	Wine Clash group dech and block 20 as 6 as a
	whe Cioth, green, drab and black p sq it 2 Che
20.00	
2 % cash.	WRENCHES.
	American Adjustable
2013	Rayter's Adjustable "S" list Ian 1880 die 2080
40 %	Bayter's Diagonal dis 20%
	Coes' Canuine die 60
	Coes' "Machanice"
	Coes' Pattern Malleable die er
	Coss' Pattern Wrought die 60 fra
	Gigard Standard
1 3	Circuit Standard die 60810
18	Girard Standard dis 50&10 5 Girard Agl dis 60&10 5 Always Ready \$5,00—25 5
1.2	Always acady
Extra 10 % on all for	
2	WRINGERS. Per doz.
13	Universal VV No al/
- 5	Universal, AA, 100, 279 30.00
0	Universal, AA, No. 2
26	Universal, AA, No. 172
101	Universal, AA, No. I
2	Universal, A.A., No. 5
1 2	Universal, A.A., No. 12
国	Universal, A.A., No. 10
1	Papeless no Com No. 22
2-0	Peerless, no Cogs, No. 1
\$5%	Paorless with Cost No. 2
	Universal, XX, No. 2½, 36.00 Universal, XX, No. 2 Universal, XX, No. 1½ Universal, XX, No. 15 Universal, XX, No. 10 Universal, XX, No. 10 Universal, XX, No. 10 Universal, XX, No. 12 Universal, XX, No. 18 each 20.32 Universal, XX, No. 18 each 20.32 Universal, XX, No. 22 each 20.32 Peerless, no Cogs, No. 1 42.00 Peerless, with Cogs, No. 2½ Peerless, with Cogs, No. 24 Peerless, with Cogs, No. 2 48.00
20 %	MISCELLANEOUS.
10 %	HIN HIN COMPANY
25 %	"Diamond" Vegetable Grater \$5.00 \$ doz., 10 \$
1	Kotary Knile Potato Parer \$18.00 \$ doz., net
1	
	retaile bring control of the second per second
25 %	Rotary Knife Potato Parer\$18.00 % doz., net Metallic Shingles\$5.50 and \$6.50 per square. Hopper Cherry Seeders\$5,00 % doz, net
25 %	
5 %	Hopper Cherry Seeders
25 %	COVERT'S GOODS,
5 %	
25 % 35 %	COVERT'S GOODS. Loop Harness Snaps
25 % 25 % 35 %	COVERT'S GOODS. Loop Harness Snaps
25 % 35 %	COVERT'S GOODS. Loop Harness Snaps
25 % 25 % 35 %	COVERT'S GOODS. Loop Harness Snaps
25 % 35 % 35 % doz.	COVERT'S GOODS. Loop Harness Snaps
25 % 25 % 35 %	COVERT'S GOODS. Loop Harness Snaps
25 % 35 % 35 % doz.	COVERT'S GOODS. Loop Harness Snaps
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25 % 25 % 35 % 35 % 40 % 40 % 40 % 40 % 40 %	COVERT'S GOODS. Loop Harness Snaps
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25 % 25 % 35 % 10 % 10 % 10 % 10 % 10 % 10 %	COVERT'S GOODS. Loop Harness Snaps
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25 5 7 5 5 7 5 5 7 5 7 5 7 5 7 5 7 5 7 5	COVERT'S GOODS. Loop Harness Snaps

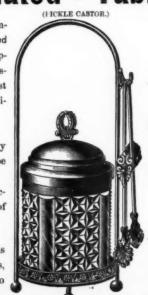
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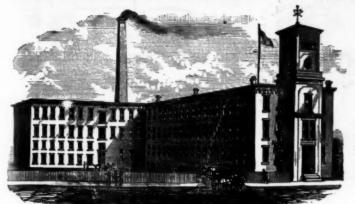
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Machine A.

For Silk Dyers, with Vertical Engine on the side and Cone Pulley Fric-



Machine B.

For Wool and Cotton Dyers, with direct-acting Steam Engine



Machine C.

Runs by Belt and Friction Cones, suitable for water nower.

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Over 14,000 in Use. Otto Gas Engine Consumption than ANY other ENGINE.

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OF THE NEW PATENT BLASTING POWDER: RACKAROCK. IT CONTAINS NEITHER GLYCERINE NOR NITRO-GLYCERINE IN ANY FORM.

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rerk's Watchman's Time Detector.



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Capable of controlling with the utmost accuracy the motion of a watchman or patrolman as the same reaches different stations of his beat. The instrument is complete in itself, portable, and as reliable as the best lever watch. It requires no fixture or wires communicating from room to room, as is the case with ordinary watch clocks.

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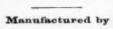
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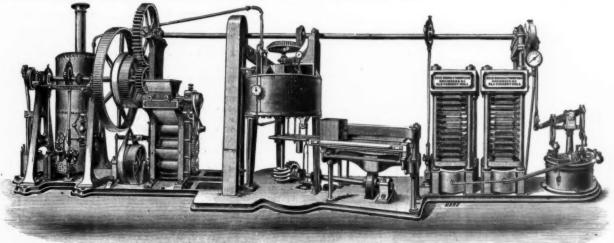
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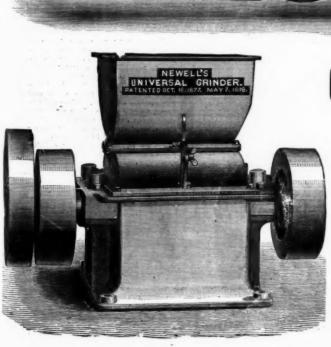
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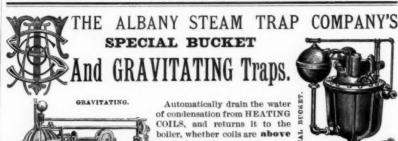
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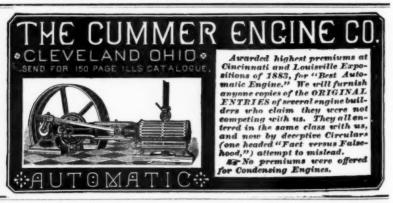
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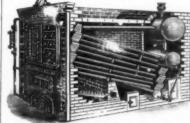
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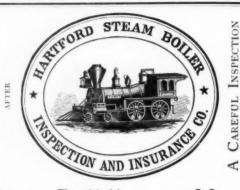
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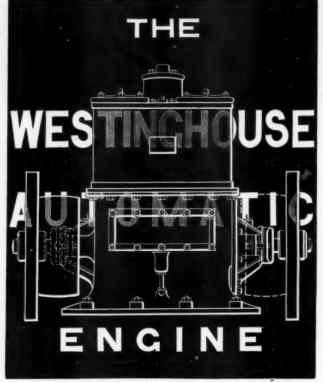
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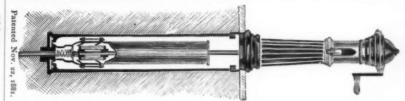
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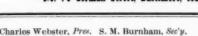
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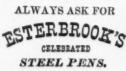
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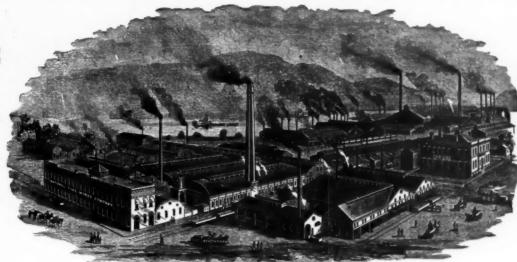
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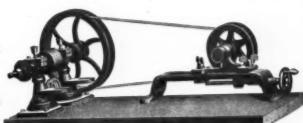
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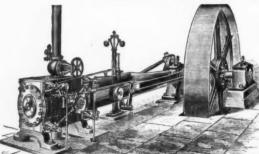


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